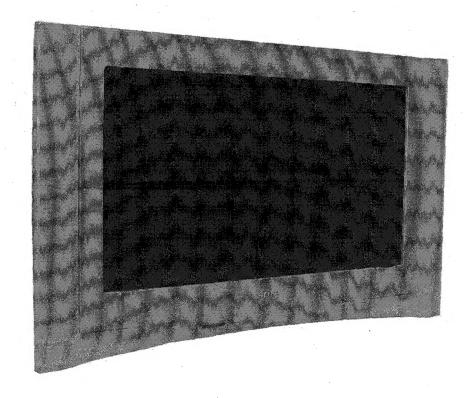


#### SERVICE MANUAL

### AE-6BA CHASSIS

	MODEL	COMMANDER	DEST	CHASSIS NO.	MODEL	COMMANDER	DEST	CHASSIS NO.
	KV-28FQ86B	RM-945	FR	SCC-Q83T-A	KV-32FQ86B	RM-945	FR	SCC-Q83U-A
	KV-28FQ86E	RM-945	ESP	SCC-Q81W-A	KV-32FQ86E	RM-945	ESP	SCC-Q81X-A
					KV-32FQ86K	RM-945	OIRT	SCC-Q82M-A
<u> </u>					KV-32FQ86U	RM-945	UK	SCC-Q84T-A

#### **FD** Trinitron





RM-94

TRINITRON © COLOR TV

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#### CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR THE CARBON PAINTED ON THE CRT, AFTER REMOVAL OF THE ANODE CAP.

#### WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE WORK TO AVOID POSSIBLE SHOCK HAZARD DUE TO LIVE CHASSIS, THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE POWER LINE.

#### SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARKED & ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

APRES AVOIR DECONNECTE LE CAP DE'LANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

#### ATTENTION !!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÁSSIS SOUS TENTION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÈ LORS DE TOUT DÈPANNAGE LE CHÁSSIS DE CE RÈCEPTEUR EST DIRECTMENT RACCORDÈ Á L'ALIMENTATION SECTEUR.

#### ATTENTION AUX COMPOSANTS RELATIFS Á LA SECURITÈ!!

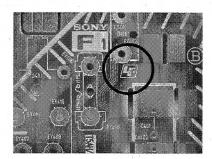
LES COMPOSANTS IDENTIFIÈS PAR UNE TRAME ET PAR UNE MARQUE ▲ SUR LES SCHÈMAS DE PRINCIPE, LES VUES EXPLOSÈES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÈCURITÈ DU FONCTIONNEMENT, NE LES REMPLACER QUE PAR DES COMPSANTS SONY DONT LE NUMÈRO DE PIÈCE EST INDIQUÈ DANS LE PRÈSENT MANUEL OU DANS DES SUPPLÈMENTS PUBLIÈS PAR SONY.

#### Lead Free Soldered Boards

The circuit boards listed below [Table 1] used in these models may have been processed using Lead Free Solder. The boards are identified by the LF logo located close to the board designation e.g. F1, H1 etc [ see examples ]. The servicing of these boards requires special precautions to be taken as outlined below.



#### example 1



example 2



Table 1

Board	Function
А	Audio,Deflection,Tuner,Regulators, J,B Interface
В	Backend,Scanrate,LVDS,A_Interface
С	R,G,B Out
D .	Deflection
D2	Smart Mode Deflection
F1	Power Switch/Fuse/SIRCS/Standby LED
G	Power Supply
Н1	Front AV Input/Headphone and Control Switches
J	AV Scart I/O Switching and Sockets
VM	Velocity Modulation

It is strongly recommended to use Lead Free Solder material in order to guarantee optimal quality of new solder joints. Lead Free Solder is available under the following part numbers:

Partnumber	Diameter	Remarks
7-640-005-19	0.3mm	0.25Kg
7-640-005-20	0.4mm	0.50Kg
7-640-005-21	0:5mm	0.50Kg
7-640-005-22	0.6mm	0.25Kg
7-640-005-23	0.8mm	1.00Kg
7-640-005-24	1.0mm	1.00Kg
7-640-005-25	1.2mm	1.00Kg
7-640-005-26	1.6mm	1.00Kg

Due to the higher melting point of Lead Free Solder the soldering iron tip temperature needs to be set to 370 degrees centigrade. This requires soldering equipment capable of accurate temperature control coupled with a good heat recovery characteristics.

For more information on the use of Lead Free Solder, please refer to http://www.sony-training.com

ITEM MODEL	Television System	Stereo System	Channel Coverage	Color System
В	B/G/H, D/K, I, L	GERMAN/NICAM Stereo	VHF: E2-E12, R1-R12, S01-S03, F02-F10, B-Q UHF: E21-E69, F21-F69, B21-B69, R21-R69 CABLE TV: S01-S20 HYPER: S21-S41	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
E	B/G/H, D/K	GERMAN/NICAM Stereo	VHF: E2-E12, R1-R12, S01-S03, UHF: E21-E69, R21-R69 CABLE TV: S01-S20 HYPER: S21-S41	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
К	B/G/H, D/K	GERMAN/NICAM Stereo	VHF: E2-E12, R1-R12, S01-S03 UHF: E21-E69, R21-R69 CABLE TV: S01-S20 HYPER: S21-S41	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
U	1 .	NICAM Stereo	I UHF : B21-B69	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)

	Flat Display FD Trinitron WIDE:	Sound output	
Picture Tube	Approx 71 cm (28 inches) (KV-28FQ86) Approx 82 cm (32 inches) (KV-32FQ86)	Right and Left speaker Sub Woofer	2x20W (Music Power) 2x10W (RMS) 1x30W (Music Power) 1x15W (RMS)
Input/Output Terminals [	REAR]	General Specifications	s
1: 21-pin Euro connector (CENELEC standard)	Inputs for Audio and Video signals. Inputs for RGB. Outputs of TV Video and Audio	Power Requirements	220 - 240V
	signals.	Power Consumption	130W/0.5W
2: 21-pin Euro connector	Inputs for Audio and Video signals. Inputs for RGB. Outputs of TV Video and Audio signals. (Monitor Out)	Dimensions	Approx 789x533x510mm (KV-28FQ86) Approx 910x586x586mm (KV-32FQ86)
		Weight	Approx 45kg (KV-28FQ86) Approx 64kg (KV-32FQ86)
3: 21-pin Euro connector	Inputs for Audio and Video signals. Inputs for S Video. Outputs of TV Video and Audio signals. (selectable), Smartlink Interface	Supplied Accessories	RM-945 Remote Commander (1) IEC designated R6 battery (2)
Phono Jacks	Output Connectors variable for Audio Signals	Other Features	100 Hz picture, Digital Plus, NexTView, Teletext, Smartlink, BBE Digital, Dolby Virtual, PAP, ACI
Input/Output Terminals [	FRONT	Remote Control Syste	m : Infrared Control
Headphone jack	stereo mini jack		
Audio inputs	phono jacks	Power requirements	3V dc 2 batteries IEC designation
Video inputs	phono jacks	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R6 (size AA)
		7.5	

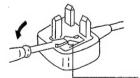
Model Name Item	KV-28FQ86B	KV-28FQ86E	KV-32FQ86B	KV-32FQ86E	KV-32FQ86K	KV-32FQ86U
Pal Comb	OFF	OFF	OFF	OFF	OFF	OFF
PAP	ON	ON	ON	ON	ON	ON
RGB Priority	ON	ON	ON	ON	ON	ON
Woofer Box	ON	ON	ON	ON	ON	ON
Scart 1	ON	ON	ON	ON	ON	ON
Scart 2	ON	ON	ON	ON	ON	ON
Scart 3	ON	ON	ON	ON	ON	ON
Front in (4)	ON	ON	ON	ON	ON	ON
Projector	OFF	OFF	OFF	OFF	OFF	OFF
Norm B/G	ON	ON	ON	ON	ON	OFF
Norm I	ON	OFF	ON	OFF	OFF	ON
Norm D/K	ON	ON	ON	ON	ON	OFF:
Norm AUS	OFF	OFF	OFF	OFF	OFF	OFF
Norm L	ON	OFF	ON	OFF	OFF	OFF
Norm SAT	OFF	OFF	OFF	OFF	OFF	OFF
Norm M	OFF	OFF	OFF	OFF	OFF	OFF
Teletext	ON	ON	ON	ON	ON	ON
Nicam Stereo	ON	ON	ON	ON	ON	ON

#### WARNING (UK Models only)

The flexible mains lead is supplied connected to a **B.S.** 1363 fused plug having a fuse of 5 **AMP** rating. Should the fuse need to be replaced, use a 5AMP FUSE approved by ASTA to BS 1362, ie one that carries the mark.

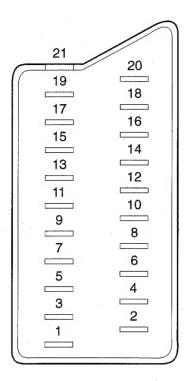
IF THE PLUG SUPPLIED WITH THIS APPLIANCE IS NOT SUITABLE FOR THE OUTLET SOCKETS IN YOUR HOME, IT SHOULD BE CUT OFF AND AN APPROPRIATE PLUG FITTED. THE PLUG SEVERED FROM THE MAINS LEAD MUST BE DESTROYED AS A PLUG WITH BARED WIRES IS DANGEROUS IF ENGAGED IN A LIVE SOCKET.

When an alternative type of plug is used, it should be fitted with a **5 AMP FUSE**, otherwise the circuit should be protected by a **5AMP FUSE** at the distribution board.



How to replace the fuse. Open the fuse compartment with a screwdriver blade and replace the fuse.

FUSE

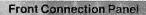


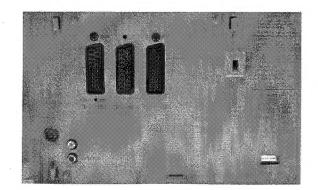
Pin No	1	2	3	Signal	Signal level
1	0	0	0	Audio output B (right)	Standard level : 0.5V rms Output impedence : Less than 1kohm*
2	0	0	0	Audio input B (right)	Standard level : 0.5V rms Output impedence : More than 10kohm*
3	0	0	0	Audio output A (left)	Standard level : 0.5V rms Output impedence : Less than 1kohm*
4	0	0	0	Ground (audio)	
5	0	0	0	Ground (blue)	
6	0	0	0	Audio input A (left)	Standard level : 0.5V rms Output impedence : More than 10kohm*
7	0	•	•	Blue input	0.7 +/- 3dB, 75 ohms positive
8	0	0	0	Function select (AV control)	High state (9.5-12V) : Part mode Low state (0-2V) : TV mode Input impedence : More than 10K ohms Input capacitance : Less than 2nF
9	0	0	0	Ground (green)	
10	0	0	0	Open	
11	0	•	•	Green	Green signal : 0.7 +/- 3dB, 75 ohms, positive
12	0	0	0	Open	
13	0	0	0	Ground (red)	
14	0	0	0	Ground (blanking)	
	0	-	-	Red input	0.7 +/- 3dB, 75 ohms, positive
15	-	0	0	(S signal Chroma input)	0.3 +/- 3dB, 75 ohms, positive
16	0	•	•	Blanking input (Ys signal)	High state (1-3V) Low state (0-0.4V) Input impedence : 75 ohms
17	0	0	0	Ground (video output)	
18	0	0	0	Ground (video input)	
19	0	0	0	Video output	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
	0	-	-	Video input	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
20	-	0	0	Video input Y (S signal)	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
21	0	0	0	Common ground (plug, shield)	

O Connected

Not Connected (open) \* at 20Hz - 20kHz

#### Rear Connection Panel







S-Video socket

	S Video socket pir	n configuration
Pin No	Signal	Signal Level
1	Ground	-
2	Ground	-
3	Y (S signal) input	1V+/- 3dB 75ohm, positive Sync. 0.3V -3 +10dB
4	C (S signal) input	0.3V+/- 3dB 75ohm, positive Sync.

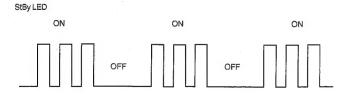
#### **AE-6BA SELF DIAGNOSTIC SOFTWARE**

The identification of errors within the AE-6BA chassis is triggered in one of two ways: -1: Busy or 2: Device failure to respond to IIC. In the event of one of these situations arising the software will first try to release the bus if busy (Failure to do so will report with a continuous flashing LED) and then communicate with each device in turn to establish if a device is faulty. If a device is found to be faulty the relevant device number will be displayed through the LED (Series of flashes which must be counted) See table 1, non fatal errors are reported using this method. Each time the software detects an error it is stored within the NVM. See Table 2.

Table 1

Error Message	LED Code
No error	. 00
Reserved	01
OCP ( Over Current Protection )	02
Over Voltage Protection	. 03
No Vertical Sync	04
IKR Error at power on	05
IIC bus clock and/or data lines low at power on	06
NVM no IIC bus acknowledge at power on	07
Horizontal Protection	08
Tuner no acknowledge at power on	09
Sound Processor Error	10
Reserved	11
Scanrate Error	12
DAC Error	13
Backend Error	14
Dynamic Convergence Error	15
PIP Error	16

#### Flash Timing Example: e.g. error number 3



#### How to enter into Table 2

- 1. Turn on the main power switch of the TV set.
- Program Remote Commander for Operation in Service Mode. [See Page 22].
- 3. Press 'AUX/VIDEO' 'AUX/VIDEO' > 'MENU' on the Remote Commander.
- Using the Remote Commander, Scroll to the 'Error' item using the down arrow key, then press the right arrow key.
- The following table will be displayed indicating the error count.

Table 2

Error monitor		
WORKING TIME:	(Hours:Minutes)	82:33
Error counters:		
E02: OCP		0
E03: OVP		0
E04: NO V SYNC		0
E05: IKR		0
E06: IIC		0
E07: NVM	,	. 0
E08: H PROT		0
E09: TUNER		0
E10: SOUND		0
E11: 9 VOLTS		0
E12: SCANRATE		0
E13: 3DCOMB		0
E14: BACKEND		0
E15: DYNCON		0
E16: HIGH VOLTAGE		0 _
E17: AVSWITCH		0
E18: CHROMA DEC		0
E19: FRCA		. 0
E20: PJ ENG		0
E21: DAC		0
E24: SPEAKER PROT	· ·	0
E25: MEMORY STICK		0
Select: ▲ ▼	Previous Menu: ◀	

**Note:** To clear the error count data press '80' on the Remote commander.

If no channels were found during the auto tune process, a message appears automatically on the screen asking you to connect the aerial. Check the aerial connection (refer to

page 7). Press the OK button to restart the auto tuning

Broadcaster sends a menu in which you can select your city by pressing the  $\stackrel{\bullet}{\bullet}$  or  $\stackrel{\bullet}{\bullet}$  button and OK to store the channels.

In some countries the TV Broadcaster installs the channels

automatically (ACI system). In this case, the TV

GB

instruction Manual'. The page numbers of the 'Operating Instruction Manual' remain The operating instructions mentioned here are partial abstracts from the 'Operating as in the manual.

# Switching On the TV and Automatically Tuning

The first time you switch on your TV, a sequence of mean screens appear on the TV enabling you to: 1) choose the language of the menu screen 2) adjust the picture slant, 3) check how to connect optional equipment to your TV, 4) search and store all available channels (TV Broadcast) and 5) change the order in which the channels (TV Broadcast) appear on the screen.

K

optional equipment has been connected, we recommend you follow the instructions explained on the section "Connection Guide" on page 15 to get the optimum settings

related to the optional equipment.

After the automatic tuning process has finished and any

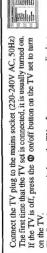
(many) 

4. A diagram will appear showing you how to connect a wide range of equipment to your TV set. Follow the instructions and finally press the OK button to remove the diagram and continue the

automatic process.

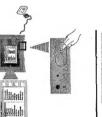
Do you want to start autymedia tuning?

However, if you need to change any of these settings at a later date, you can do so by selecting the appropriate option in the 😝 (Set Up menu) or by pressing the Auto Start Up Button 🖼 on the TV set.





The first time you switch on the TV, a Language menu displays automatically on the TV screen.



Press the  $\spadesuit$ ,  $\Psi$ ,  $\spadesuit$  or  $\spadesuit$  buttons on the remote control to select your language, then press the **OK** button to confirm your selection. From now on all the menus will appear in your chosen

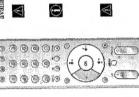


Because of the earth's magnetism, the picture might slant. The Picture Rotation menu allows you to correct the picture slant if it is necessary.

b) If it is necessary, press ← or → to select Adjust now, then press OK and correct any slant of the picture between -5 and +5 by pressing or ←. Finally press OK to store. a) If it is not necessary, press OK to select Not necessary.



This procedure could take some minutes. Please be patient and do not press any buttons, otherwise automatic tuning **5** The Auto Tuning menu appears on the screen. Press the **OK** button to select Yes. 6 The TV starts to automatically search and store all available broadcast channels for you. will not be completed. 



1

the Programme Sorting menu automatically appears

on the screen enabling you to change the order in

which the channels are stored.

After all available channels are captured and stored,

If you wish to keep the broadcast channels in the tuned order, b) If you wish to store the channels in a different order.

number with the channel (TV Broadcast) you wish

1 Press the ◆ or ◆ button to select the programme

channel (TV Broadcast). Press the OK button to store.

8 Press the MENU button to remove the menu from the screen

3 Repeat steps b)1 and b)2 if you wish to change

continued...

the order of the other channels.

programme number position for your selected

2 Press the  $\bullet$  or  $\bullet$  button to select the new

to move. Press the button.



Your TV is now ready for use

¹iŒ to

(8)

# Introducing and Using the Menu System

Your TV uses an On-Screen menu system to guide you through the operations. Use the following buttons on the Remote Control to operate the menu system:



## To switch on the menu screens:

Press the MENU button to switch the first level menu on.



### ) (0 10 10 10

## 2 To navigate through the menus:

- To highlight and select the desired menu or option, press ♥ or ♠.
- To enter the selected menu or option, press OK or .

(\* (8) ?\*)

- To return to the last menu or option, press OK or ◆.
- To alter the settings of your selected option, press ♥/♣/◆ or ◆.
  - To confirm and store your selection, press OK.



## 3 To switch off the menu screens:



Press the MENU button to remove the menu from the screen.

## The Picture Adjustment Menu



The "Picture Adjustment" menu allows you to alter the picture settings.

enter this menu. Next press • or • to select the To do this:
Press the MENU button and then press OK to desired option and press OK. Finally read the instructions below on how to operate each option,



1

Picture Mode Live Contrast Renal None Resistant Anto Calour Jones Cool



Personal (for individual settings).

Live (for live broadcast programmes, DVD and Digital Set Top Box receivers)

Movie (for films).

"Brightness", "Colour" and "Sharpness" level of "Live" and "Movie" mode are fixed in the Once you have selected your desired option, press OK to store.

factory to get the best picture quality.

Press ← or ◆ to reduce or enhance picture contrast. Next press OK to store. Contrast

000000 00000 000000 000000

Press ◆ or ◆ to darken or brighten the picture. Next press OK to store. Brightness

This option only appears for alteration if "Picture Mode" is set to "Personal".

Press ← or → to decrease or to increase color intensity. Next press OK to store. This option only appears for alteration if "Picture Mode" is set to "Personal".

(1)

Press ♦ or ♦ to decrease or to increase the green tones. Next press OK to store.

This option only appears for NTSC signal (e.g. USA video tapes).

This option only appears for alteration if "Picture Mode" is set to "Personal".

Sharpness

1000 10

4 (F)

Reset

Press OK to reset the picture to the factory preset levels.

Career Co

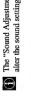
This option is set to Auto to automatically reduce the snowy picture that may be visible in the broadcast signal. However, it can be modified by pressing  $\Psi$  or  $\Phi$  to select Off, Low, Mid or High. Finally press OK to store.

This option allows you to alter the tint of the picture. After selecting this option press  $\Phi$  or  $\Phi$  repeatedly to select: Warm (gives the white colours a red tint), Normal (gives the white colours a neutral tint), Cold (gives the white colours a low at a label thin). Next press OK to store. Colour Tone

## The Sound Adjustment Menu







The "Sound Adjustment" menu allows you to alter the sound settings. To do this:

Press the MENU button and press ♥ to select

②, then press OK to enter this menu. Next press

▼ or ♠ to select the desired option and press OK. Finally read the instructions below on how to operate each option.



Sound Effect

This option allows you to customise the Sound Effect. After selecting this option press OK. Next press • or • repeatedly to select:

(Enhances clarity, detail and presence of sound by using "BBE High Definition Sound system"\*). (Flat response). Natural Off

presence of sound for better intelligibility and musical realism). Dynamic ("BBE High Definition Sound system"\* intensifies clarity and

(Dolby Virtual, simulates the sound effect of "Dolby Surround Pro Dolby\*\* Virtual

Once you have selected your desired option, press OK to store.

Press ← or ▶ to decrease higher-frequency sounds. Next press OK to store.

Treble

Press ← or ▶ to decrease or to increase the lower-frequency sounds. Next press

Bass

(§

Press ◆ or ◆ to emphasise the left or the right speaker. Next press OK to store. OK to store. Balance

Press OK to reset the sound to the factory preset levels. Next press OK to store.

 For a Stereo broadcast: Dual Sound

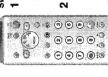
Reset

Press ♥ or ♠ to select Mono (for mono channel if available), A (for channel 1) Press • or • to select Stereo or Mono. Next press OK to store. · For a bilingual broadcast:

or B (for channel 2). Next press OK to store.

## PAP (PICTURE AND PICTURE)

D PAP divides the screen into two to watch two pictures in format 4:3 simultaneously.



## Switching PAP on and off

1 Press @ to display PAP.

the PAP source, you will be doing it in the active screen. One of the screens will be framed to indicate that this is the active screen. It means that when you want to select



2 Press @ again to remove PAP.

On the screen a banner appears guiding you on how to operate PAP. This banner will disappear after some seconds but it can always be displayed again by pressing the 🕒 button.

GB

## Changing the active screen

This is only possible if the Media Selector is set to TV. Control of the contro

To change the active screen (framed), press the ← or → buttons.

## Selecting PAP source

1 Selecting a TV channel:

Press the \phi button to select the left screen as the active screen. Next press the number buttons or PROG +/- to select a TV channel.

M Video input signals can not be displayed on the left screen.

## Selecting an input source:

button to show the input signal of the connected equipment on right screen of the TV. For more details on which input symbol you wish to choose, please see section "Viewing pictures from equipment connected to the TV" on page 23. Press the 🏓 button to select the right screen as the active screen. Next press repeatedly the 🕤

A RF signal (TV broadcast channels) can not be displayed on the right screen.

## Selecting the sound

Besides that, you can listen to the active screen as well as the non active screen via headphones. The sound of the active screen (framed) always comes from the TV speakers.

### To do this:

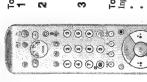
With the PAP switched on, refer to the section "The Sound Adjustment Menu", select "Headphones Set Up" and set the option " \(\theta\) PAP Sound" according your preference. For details see page 13.

In PAP (picture and picture) mode, the output from the Scart 🕒 2/ 🗗 2 is fixed to the right picture. picture.

### **Teletext**

Teletext is an information service transmitted by most TV stations. The index page of the teletext service (usually page 100) gives you information on how to use the service. To operate teletext, use the remote control buttons as indicated below.

Teletext errors may occur if you use a channel (TV Broadcast) with a weak signal.



## To switch on Teletext:

Select the broadcast channel which carries the teletext service you wish to view.

(P&T) mode. The screen is divided into two with the Text display on the left and the TV channel in the 2 Press the 📵 button once to enter Picture and Text bottom right corner.



3 If you wish to view the Text in full screen mode, press the (E) button a second time.

To select a Teletext page: Input the 3 digit page number, using the numbered buttons.

 If the counter on the screen continues searching, it is because the page is not available. If this is the case, input another page number. If you make a mistake, retype the correct page number.

To access the next or preceding page:

Press PROG + ( ) or PROG - ( ).

## To freeze a teletext page:

Press 色/學 button. Press again to cancel the freeze.

To reveal concealed information (e.g: answer to a quiz): Press 11 /2 button. Press again to conceal the information.

## To select a sub page:

A teletext page may consist of several sub pages. In this case, one or more arrows appear next to the page number and an information box is displayed at the bottom of the screen showing the number of sub pages contained an this page. As soon as sub pages are available, they start to auromatically appear. If you want to stop the show and select your desired sub page, press \( \Phi\) or repeatedly.

To Switch Off Teletext:

Press O button.

#### Fastext

When you are in Teletext mode and Fastext is broadcast, a colour coded menu appears at the bottom of the teletext page. Press the appropriate coloured button (red, green, yellow Eastext service lets you access Teletext pages with one button push.

When you are in Teletext mode and Eastext is broadcast a colour con or blue) to access the page corresponding to your menu choice.

# Remote Control Configuration for VCR or DVD

In it's default condition this remote control will operate the basic functions of this Sony TV, Sony DVDs and most Sony VCRs. To control VCRs and DVDs of other manufacturers (and some Sony VCR models), the remote control needs to be configured.

#### To do this: fig. 2

0

Before you start, look up the 3 digit code for your brand of DVD or VCR from the list below.

On those brands that have more than one code, enter the first code number.

 Sony will endeavour to update the software according to market changes. Therefore, please refer to the code table included with the remote control for latest code set. · A small label is added inside the battery door to allow you to record your brand codes.

seconds until the green DVD and VCR light of the Media Selector st. Press and hold the 4- button of the remote control for approximatel

fig. 1

flashing (see fig. 1).

00036 00003 00003

code for your brand of VCR or DVD (see the list below) using the nun While the VCR and DVD lights are flashing, enter all three digits of buttons on the remote control (see fig. 2).

a



If your selected code is entered correctly, the VCR or DVD granting to your selection) will be lit momentarily (see fi otherwise repeat all the above steps. Turn on your VCR or DVD and check that the main functions work.

က

If your device is not working or some of the functions do not work please check that you
entered the correct code set or try the next code listed against the brand.

Not all brands are covered and not all models of every brand may be covered.

Always remember to press the ← or → button until the green light iluminates according to the equipment you want to operate with this remote control: VCR, TV or DVD.

4

VCH Brand List	and List	DVD Brand List	and List
Brand	Code	Brand	Code
SONY (VHS)	301, 302, 303, 308, 309,362	SONY	001, 029, 030, 036, 037, 038, 039, 040,
SONY (BETA)	303, 307, 310	-	041, 042, 043, 044, 053, 054, 055
SONY (DV)	304, 305, 306	AIWA	021
AIWA	325, 331, 351	AKAI	032
AKAI	326, 329, 330	DENON	018, 027, 020, 002
DAEWOO	342, 343	GRUNDIG	009, 028, 023, 024, 016, 003
GRUNDIG	358, 355, 360, 361, 320, 351, 366	HITACHI	025, 026, 015, 004, 035
HITACHI	327, 333, 334	JVC	006, 017
JVC	314, 315, 322, 344, 352, 353, 354, 348, 349	KENWOOD	800
re	332, 338	TC	015, 014, 034
LOEWE	358, 355, 360, 361, 320, 351	LOEWE	009, 028, 023, 024, 016, 003
MATSUI	356,357	MATSUI	013, 016
ORION	328	ONKYO	022, 033
PANASONIC	321, 323	PANASONIC	018, 027, 020, 002, 045, 046, 047
PHILIPS	311, 312, 313, 316, 317, 318, 358, 359,	PHILIPS	009, 028, 023, 024, 016, 003, 031
	363, 364	PIONEER	004, 050, 051, 052
SAMSUNG	339, 340, 341, 345	SAMSUNG	011,014
SANYO	335, 336	SANYO	200
SHARP	324	SHARP	019, 027
THOMSON	319, 350, 365	THOMSON	012
TOSHIBA	337	TOSHIBA	003, 048, 049
		YAMAHA	018, 027, 020, 002

#### 

## **Technical Specifications**

Sound Output: 2 x 20 W (music power) 2 x 10 W (RMS)

TV system:	Rear Terminals
	• AV1
Colour system:	<b>Φ</b> 1/ <b>Φ</b> 1
PAL	21-pin scart conne
SECAM, NTSC 3.58, 4.43 (only	(CENELEC stands
Video In)	including audio/vie
	RGB input, TV au
Channel Coverage:	output.
UHF: B21-B69	•
	. AV2
Picture Tube:	Q-2/Q2
Flat Display FD Trinitron WIDE:	21-pin Scart conn
KV-28FQ86U: 28" (approx. 71cm.	(CENELEC stands
measured diagonally)	including audio/vie
KV-32FQ86U: 32" (approx. 82cm.	RGB input, monito
measured diagonally)	output.

lard)
ideo input,
udio/video nector lard)

or audio/video including audio/video input, ideo input, S video input, selectable 21-pin Scart connector (CENELEC standard) • AV3 Q•3/@3

GB

Standby Power Consumption:

0.5 W

Power Consumption: KV-28FQ86U: 130 W KV-32FQ86U: 130 W

30 W (music power) 15 W (RMS)

Woofer:

Accessories supplied:

• 1 Remote Control (RM-945)

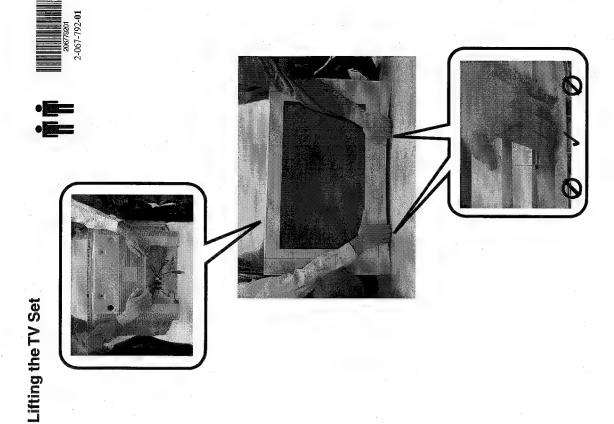
• 2 Batteries (IEC designated, AA size) Dimensions (w x h a d):
KV-28FQ86U:
approx. 789 x 533 x 510 mm.
KV-32FQ86U:
approx. 910 x 586 x 586 mm. Weight: KV-28FQ86U; approx. 45 Kg. KV-32FQ86U; approx. 64 Kg. audio/video output and SmartLink interface.

O- audio outputs (Left/Right) - phono jacks

Other features:
• 100 Hz picture, Digital Plus.
• Teletext, Fastext, TOPtext. TV system autodetection. Dolby Virtual. NexTView. SmartLink. • 634 S Video input - 4 pin © 4 video input - phono • • • 4 audio input – phono jacks. headphones jack. Front Terminals c: •

• PAP.
• ACI (Auto Channel Installation). • BBE Digital. • NICAM.

· Stand especially designed for this KV-28FQ86U; SU-28FQ3. KV-32FQ86U; SU-32FQ3. Optional accessories:



Design and specifications are subject to change without notice.

## Troubleshooting

Problem	Problem Solution
No picture (screen is dark) and no sound.	<ul> <li>Check the aerial connection.</li> <li>Plug the TV in and press the <b>①</b> button on the front of the TV.</li> <li>If the standby indicator <b>②</b> is on, press TV I/<b>②</b> button on the remote control.</li> </ul>
Poor or no picture (screen is dark), but good sound.	Poor or no picture (screen is dark), but • Using the menu system, select the "Picture Adjustment" menu and select good sound.  "Reset" to return to the factory settings (see page 11).
No picture or no menu information from equipment connected to the Scart connector.	<ul> <li>Check that the optional equipment is on and press the</li></ul>
Good picture, no sound.	Press the ∠I + button on the remote control.  Check that "TV Speakers" is "On" in the "Sound Adjustment" menu(see page 13).  Check that headphones are not connected.

No colour on colour programmes.	<ul> <li>Using the menu system, select the "Picture Adjustment" menu and select "Reset" to return to factory settings (see page 11).</li> </ul>
When you switch on the TV the last channel you were watching before switching the TV off does not appear.	• This is not a malfunction. Press the number buttons on the remote control to select the desired channel.
Distorted picture when changing programmes or selecting teletext.	$\bullet$ Turn off any equipment connected to the Scart connector on the rear of the ${\rm TV}$
Wrong characters appear when viewing NexTView.	• Use the menu system to enter the "Tanguage" menu (see page 16) and select the same language that NexTView is broadcast in.
Picture stanted.	<ul> <li>Using the menu system, select the "Picture Rotation" option in the "Features" menu to correct the picture slant (see page 15).</li> </ul>
Snowy picture when viewing a TV channel.	• Using the menu system, select the "Manual Programme Presen" menu and adjust Fine Tuning (AFT) to obtain better picture reception (see page 18).  • Using the menu system, select the "Noise Reduction" option in the "Picture Adjustment" menu and select "Auto" to reduce the noise in the picture (see page 11).

continued...

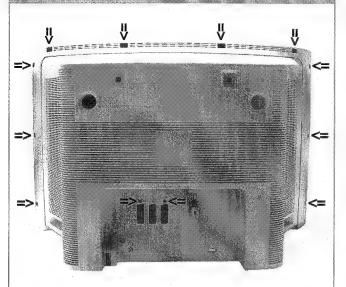
Problem	Solution
No unscrambled picture whilst viewing an unscrambled channel with a decoder or a Set Top Box connected through the Scart connector   G→3/←3/3.	• Using the menu system, select the "Features" menu and set "AV3 Output" to "TV" (see page 13). • Check that the Decoder or the Set Top Box is not connected on the scart ⊕•2/⊕2.
♥, ♠, ♠ and ♠ buttons do not work in PAP mode.	PAP navigation is only possible in TV mode, please check that Media Selector is set to TV.
Remote control does not function.	• Check that the Media Selector on the remote control is set to the device you are using (VCR, TV or DVD).  • If the remote control does not operate the VCR or DVD even when the Media Selector has been set correctly, enter the necessary code set in explained on page 24.  • Replace the batteries.
The standby indicator <b>©</b> on the TV flashes.	Contact your nearest Sony service centre.

• If you continue to experience problems, have your TV serviced by qualified personnel.

• Never open the casing yourself.

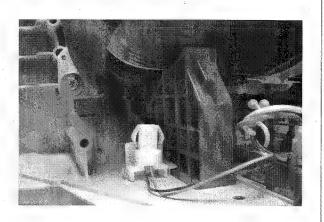
#### **SECTION 2 DISASSEMBLY**

#### 2-1. Rear Cover Removal



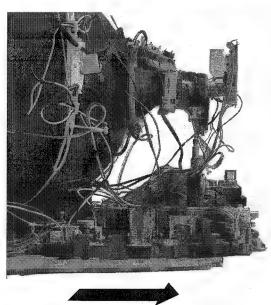
Remove the rear cover fixing screws indicated and pull the rear cover backwards away from the set. Take care when removing the rear cover not to damage the speaker cable [Disconnect the speaker connector] a speaker is fitted inside the rear cover.

#### 2-2. Speaker Connector Disconnection

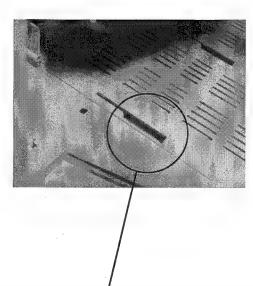


Before completely removing the rear cover disconnect the speaker connector which is located on the inside of the set.

#### 2-3. Chassis Removal and Refitting

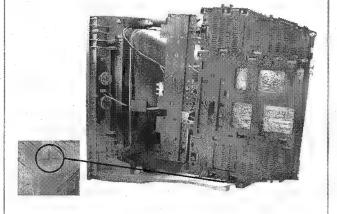


To remove lift the main bracket rear slightly and slide the chassis away from the beznet. Ensure that the interconnecting leads are released from their purse locks to prevent damage being caused.



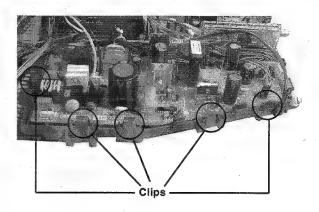
When refitting the chassis ensure that the main bracket is located in the beznet guide slots before sliding the chassis forwards. Refit the inter-connecting leads in their respective purse locks.

#### 2-4. Service Position



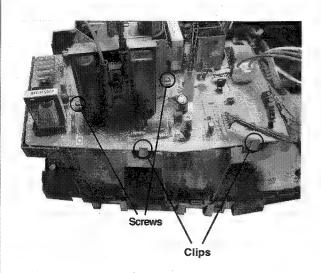
To place the chassis in the service position, insert the main bracket firmly into the T-slot located on the left corner of the beznet as indicated (see inset). To gain access to the underside of the boards follow the instructions on page 17. [Removal and Replacement of the main bracket bottom plates].

#### 2-5. G Board Removal



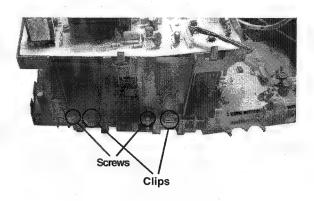
To remove the G Board remove the two screws from the middle of the board, release the clips circled and ease the board gently away from the support bracket.

#### 2-6. D2 Board Removal



To remove the D2 board remove the two screws circled, release the clips circled and ease the board gently away from the support bracket.

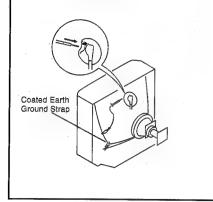
#### 2-7. D Board Removal

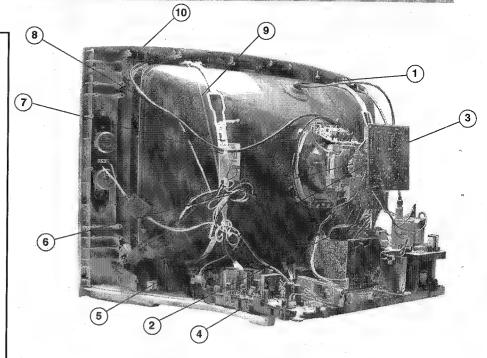


To remove the D board first remove the D2 bracket by removing the two screws circled and releasing the four clips (two on each side of the bracket). The D board can then be removed using the same method as the G board but with the necessity to remove only one screw from the middle of the D board.

#### WARNING: BEFORE REMOVING THE ANODE CAP

High voltage remains in the CRT even after the power is disconnected. To avoid electric shock, discharge CRT before attempting to remove the anode cap. Short between anode and CRT coated earth ground strap.

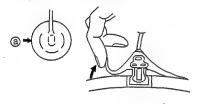




- 1. Discharge the anode of the CRT and remove the anode cap.
- 2. Unplug all interconnecting leads from the Deflection yoke, neck assy, degaussing coils and CRT grounding strap.
- 3. Remove the C Board from the CRT.
- 4. Remove the chassis assembly.
- 5. Loosen the Neck assembly fixing screw and remove.
- 6. Loosen the Deflection yoke fixing screw and remove.
- Place the set with the CRT face down on a cushion and remove the Degaussing Coil holders.
- 8. Remove the Degaussing Coils.
- 9. Remove the CRT grounding strap and spring tensioners.
- Unscrew the four CRT fixing screws [ located on each CRT corner ] and remove the CRT.
   [Take care not to handle the CRT by the neck.]

#### Removal of the Anode-Cap

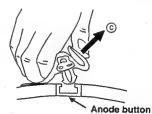
#### REMOVAL PROCEDURE.



1 Turn up one side of the rubber cap in the direction indicated by the arrow (a)



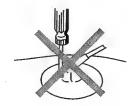
Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow (b)

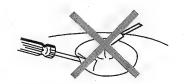


When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling it up in the direction of the arrow ©

#### How to handle the Anode-Cap

- To prevent damaging the surface of the anode-cap do not use sharp materials.
- Do not apply too great a pressure on the rubber, as this may cause damage to the anode connector.
- A metal fitting called a shatter hook terminal is fitted inside the rubber cap.
- Do not turn the rubber foot over excessively, this may cause damage if the shatter hook sticks out.





# REMOVAL AND REPLACEMENT OF THE MAIN-BRACKET BOTTOM PLATES.

## (1) REMOVING THE PLATES

In the event of servicing being required to the solder side of the printed wiring boards, the bottom plates fitted to the main chassis bracket require to be removed. This is performed by cutting the gates with a sharp wire cutter at the locations indicated by the arrows.

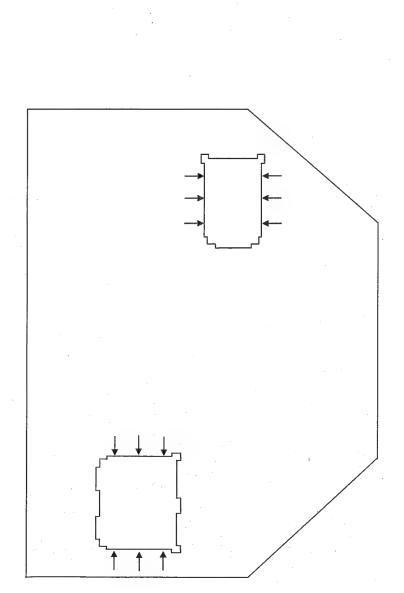
Note: There are 2 plates fitted to the main bracket. Only remove the necessary plate to gain access to the printed wiring board.

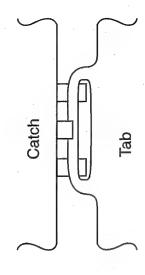
For safety reasons, on no account should the plates be removed and not refitted after servicing.

## (2) REFITTING THE PLATES

Because the plates differ in size it is important that the correct plates are refitted in their original location.

Please note that the plates need to be rotated 180 degrees from their cut position to allow the tabs to be fitted into their catch positions.





#### **SECTION 3 SET-UP ADJUSTMENTS**

- When complete readjustment is necessary or a new picture tube is installed, carry out the following adjustments.
- Unless there are specific instructions to the contrary, carry out these adjustments with the rated power supply.
- Unless there are specific instructions to the contrary, set the controls and switches to the following settings:

Contrast .....normal

Brightness ..... normal

#### Carry out the adjustments in the following order:

- 3-1. Beam Landing.
- 3-2. Convergence.
- 3-3. Focus.
- 3-4. White Balance.

Note: Test equipment required.

- Color bar/pattern generator.
- 2. Degausser.
- 3. Oscilloscope.
- 4. Digital multimeter.

#### 3-1. Beam Landing

#### Preparation:

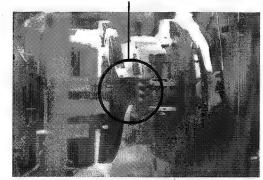
- In order to reduce the influence of geomagnetism on the set's picture tube, face it in an easterly or westerly direction.
- 2. Switch on the TV set's power and degauss with a degausser.

#### (1) Adjustment of Correction Magnet for Y-Splitting Axis.

- 1. Input a crosshatch signal from the pattern generator.
- Set the Picture control to minimum and confirm that the Brightness control is set to normal.
- 3. Position the neck assembly as indicated in Fig.3-2.
- 4. Loosen the deflection yoke fixing screw.
- 5. Move the deflection yoke as far forward as is possible.
- Adjust the upper and lower pin symmetrically by opening or closing the Y-splitting axis correction magnets located on the neck assembly. [See Fig 3-3]
- Return the deflection yoke to its original position and re-tighten its fixing screw.

Fig.3-1

Y-splitting axis correction magnet



#### Caution:

High voltages are present on the Deflection yoke terminals - take care when handling the Deflection yoke whilst carrying out adjustments.

#### (2) Landing

**Note:** Before carrying out the following adjustments adjust the magnets as indicated [See Fig. 3-4].

- 1. Input a crosshatch signal from the signal generator.
- 2. Rough-adjust the focus and horizontal convergence.
- 3. Switch from the crosshatch pattern to an all-red pattern.
- Move the deflection yoke backwards and adjust with the purity magnet so that the red is at the centre and it aligns symmetrically [See Fig.3-5].
- 5. Move the deflection yoke forward to the point where the entire screen just becomes red [Mark its position].
- 6. Move the deflection yoke further forward until the screen just changes colour at the edges. [Mark its position]
- Position the deflection yoke between the two marks indicated above.
- Input a crosshatch pattern from the pattern generator and rotate the deflection yoke so that the horizontal lines are parallel with the top and bottom of the screen.
- When the position of the deflection yoke has been determined, fasten it with its fixing screw.
- Switch the pattern generator to green then blue and confirm the purity.
- 11. If the beam does not land correctly in all the corners of the screen, use disk magnets to correct it. [Confirm the corner landing for green and blue]

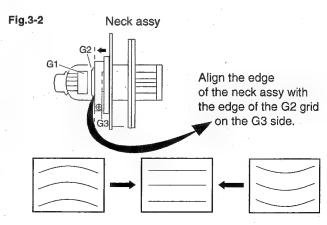
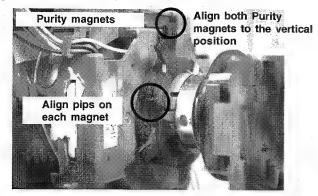


Fig.3-3

Fig.3-4



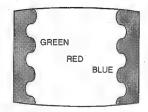
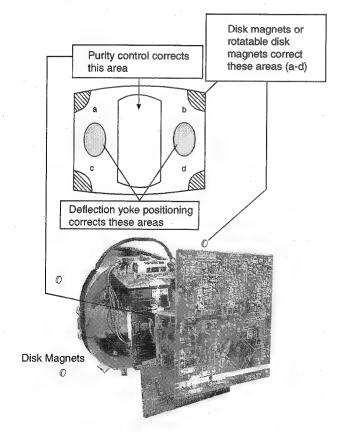
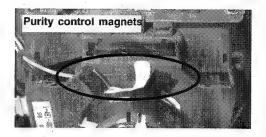


Fig.3-5

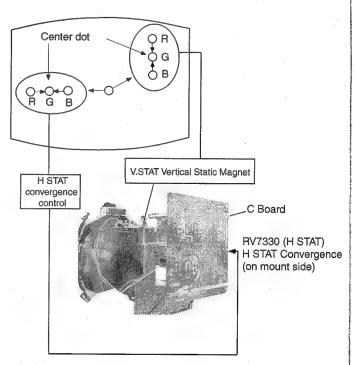




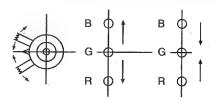
#### 3-2. Convergence

#### (1) Screen centre convergence [Static convergence]

- 1. Input a dot pattern signal from the pattern generator.
- 2. Normalize the picture setting.
- [Moving vertically], adjust the V.STAT magnet so that the vertical red, green and blue dots coincide at the centre of the screen.



By opening or closing the V.STAT magnet, the red green and blue dots move in the direction indicated below.



**Note:** Do not adjust the H.STAT by rotating the V.STAT magnets as this can affect the focus setting.

- 4. Correction for HMC [Horizontal mis-convergence] and VMC [Vertical mis-convergence] by using the BMC [Hexapole] magnet.
- a). HMC correction by BMC [Hexapole] magnet and movement of the electron beam.

A < B R G B

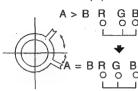
A = B R G B

VMC correction(A)

HAMP Adjustment

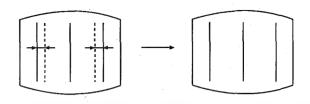
HMC correction(B)

VMC correction(B)

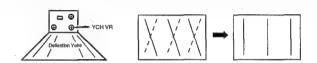


b). VMC correction by BMC [Hexapole] magnet and movement of the electron beam.

HTIL correction can be performed by adding a THL correction assembly to the Deflection yoke.



YCH Adjustment



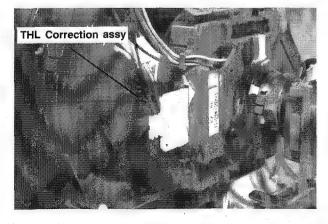
TLV Adjustment



#### H-TRAP Adjustment



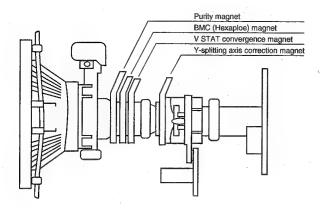
HTIL Adjustment



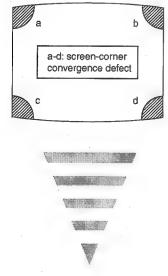
Adjust the HAMP using HAMPL and HAMPR registers in the

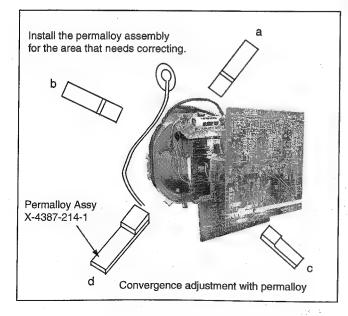
Dynamic Convergence section of the service menu.

The H-TRAP should not be adjusted unless absolutely necessary as it affects the TLV settings.



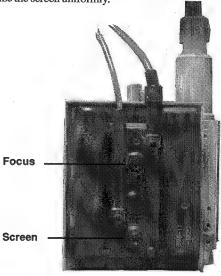
**Note:** If you are unable to adjust the corner convergence properly, this can be corrected with the use of permalloy magnets.





#### 3-3. Focus Adjustment

- 1. Receive a television broadcast signal.
- 2. Normalize the picture setting.
- Adjust the focus control located on the flyback transformer to obtain the best focus at the centre of the screen.
   Bring only the centre area of the screen into focus, the magentaring appears on the screen. In this case, adjust the focus to optimize the screen uniformly.



#### 3-4. Screen (G2), White Balance

[Adjustment in the service mode using the remote commander]

#### G2 adjustment

- 1. Input a dot signal from the pattern generator.
- 2. Set the Picture, Brightness and Colour to minimum.
- Apply 175V DC from an external power supply to the R, G and B cathodes of the CRT.
- Whilst watching the picture, adjust the G2 control [SCREEN] located on the flyback transformer to the point just before the flyback return lines disappear.

#### White balance adjustment for TV mode

- 1. Input an all-white signal from the pattern generator.
- Program the Remote Commander for operation in Service Mode. [See Page 22].
- 3. Enter into the 'Service Mode' by pressing 'AUX/VIDEO' button twice and 'MENU' on the Service Commander.
- Select 'Service' from the on screen menu display and press 'Right Arrow'.
- 5. The 'Service' menu will appear on the screen. [See Page 22]
- 6. Select 'Picture' from the on screen menu and press right arrow.
- Select 'Picture settings' from the on screen menu and press right arrow and set the 'Contrast\_Max' to MAX.
- Select 'White Balance' from the on screen menu and press right arrow.
- 9. The 'White Balance' menu will appear on the screen.
- 10. Set the 'Normal\_PAL\_RD' to 465.
- 11. Adjust the 'Normal\_PAL\_GD' and the 'Normal\_PAL\_BD' so that the white balance becomes optimum.
- Select 'Picture settings' from the on screen menu and press right arrow and set the 'Contrast\_Min' to MIN.
- 13. Set the 'Normal\_PAL\_RC' to 121.
- Adjust the 'Normal\_PAL\_GC' and the 'Normal\_PAL\_BC' with the left and right buttons on the commander so that the white balance becomes optimum.
- 15. Press the 'OK' button to write the data for each item.

#### **SECTION 4 CIRCUIT ADJUSTMENTS**

#### 4-1. Electrical Adjustments

Service adjustments to this model can be performed using the supplied remote Commander RM-945.

#### Programming the Remote Commander for Operation in Service Mode

- 1. Press and hold the left Mode Select button until the VCR and DVD LED's flash.
- Press 99999. The TV LED should light.
   The remote commander is now set to
   Service Mode.



 To return the remote commander to normal operation mode repeat step 1. then press 00000. The TV LED should light. The remote commander is now set to normal mode.

#### Setting the TV into Service Mode

- Program the remote commander for operation in Service Mode as described above.
- 2. Turn on the TV main power switch.
- Press the 'aux/video' standby button on the remote commander twice.
   'TT\_\_' will appear in the upper right corner of the screen. Other status information will also be displayed.
- 4. Press 'MENU' on the remote commander to obtain the following menu on the screen.

Service Main i	Menu:AE6BA/Y (v	0.26D)	NVM VERS	ION:04H
Service Design Error				•
Select: ▲ ▼	Select Item:	FACTORY	/ INFO:FFH I	FH 03H

- Move to the corresponding adjustment item using the up or down arrow buttons on the Remote Commander.
- 6. Press the right arrow button to enter into the required menu item.
- Press the 'aux/video' button on the Remote Commander to quit the Service Mode when all adjustments have been completed.

#### Note:

After carrying out the service adjustments, to prevent the customer accessing the 'Service Menu' switch the TV set OFF and then ON.

Service		
Geometry Picture Audio		<b>•</b>
Select: ▲ ▼	Select Item: ▶	Previous Menu: ◀

•

Wide mode adjus	tment		
Description	(min,max)	Default	Value
V AMP	(-128,127)	35	35
V ZOOM	(0,510)	256	256
V POS	(-512,511)	-10	-10
V LIN	(-128,127)	0	0
V SCORR	(-128,1270)	4	4
H WIDTH	(-256,255)	63	63
V TRAP	(-128,127)	1	1
PIN AMP	(-511,511)	-80	-80
UP COR	(-128,127)	-1	-1
LOW COR	(-128,127)	-2	-2
H POS	(-600,600)	10	10
ANGLE	(-511,511)	-1	-1
BOW	(-511,511)	8	8
H LIN	(0,255)	85	84
H TRAP	(0,255)	138	138
H SCORR	(0,255)	100	100
UP COR 6	(-128,127)	-1	-1
LOW COR 6	(-128,127)	0	0
PIN UNBAL	(-240,240)	-40	-40
MID PIN	(-240,240)	-60	-60
Select: ▲ ▼	Select Item:	Previo	us Menu: ◀

Picture		
White balance Colour Tone		<b>.</b>
Picture settings		
Select: ▲ ▼	Select Item: ▶	Previous Menu: ◀

Picture settings			
-			i farantii
Description	(min,max)	Default	Value
SUBCOLOR PAL	(0,63)	31	34
SUBCOLOR SECAM	(0,63)	31	34
SHP MAXLTI	(0,31)	31	. 20
SHP MAXPEAK	(0,15)	15	12
CONTRAST MIN	(0,63)	17	17
CONTRAST MAX	(0,63)	59	59
BRIGHT EXPAND	(0,511)	400	400
BRIGHT CENTER	(-256, 255)	10	40
•			
Select: ▲ ▼	Select Item:	Previo	us Menu: ◀

Audio		
DDE OEE made		
BBE OFF mode	•	-
BBE Natural/V.Dolby	offsets	
<b>BBE</b> Dynamic offsets	3	
BBE Cinema offsets		
Subwoofer level adju-	stments	
Audio detection thres	sholds	
Select: ▲ ▼	Select Item:	Previous Menu: ◀

BBE OFF mode			
Description	(min,max)	Default	Value
SW_FREQ_OFF	(5,40)	20	20
BAND1_OFF_OFFSET	(-96,96)	0	0
BAND2_OFF_OFFSET	(-96,96)	0	Ò
BAND3_OFF_OFFSET	(-96,96)	0	0
BAND4_OFF_OFFSET	(-96,96)	0	0
BAND5_OFF_OFFSET	(-96,96)	0	0
BBE_LOUDNESS_OFF	(0,68)	0	0
Select: ▲ ▼	Select Item:	<ul><li>Previo</li></ul>	ous Menu: 🗨

Design		
0740440 410 114	<b>D</b>	
CXA2149 - AVSwitch	201100	. •
DDP3315 - Backend	Device	
MSP3411 - Sound Pr	rocessor Device	
TDA988x - IF Device		
TUA60xx - PLL Device	e	
VSP9427 - Video Pro	cessor Device	
CXA2019 - Chroma [	Decoder	
CXD3804 - 3D Comb	Filter	
CXA8070 - Dynamic	Convergence Device	
FRC9429 - FRCA De	vice	
PJ Engine		
Select: ▲ ▼	Select Item:	Previous Menu: ◀

Error monitor		
WORKING TIME:	(Hours:Minutes)	82:33
Error counters:		
E02: OCP		0
E03: OVP		0
E04: NO V SYNC		0
E05: IKR		0
E06: IIC	·	0
E07: NVM		0
E08: H PROT		0
E09: TUNER		0
E10: SOUND		0
E11: 9 VOLTS		0
E12: SCANRATE		0
E13: 3DCOMB		0
E14: BACKEND		0
E15: DYNCON		O
E16: HIGH VOLTAGE		0
E17: AVSWITCH		0
E18: CHROMA DEC		0 -
E19: FRCA		0
E20: PJ ENG		0
E21: DAC		. 0
E24: SPEAKER PROT	•	0
E25: MEMORY STICK		0
		1
Select: ▲ ▼	Previous Menu: ◀	

#### Sub Brightness Adjustment

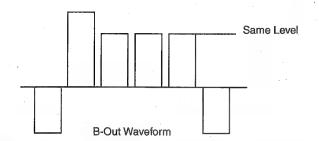
- 1. Input a Monoscope pattern.
- Program the Remote Commander for operation in Service Mode. [See Page 22].
- Press 'AUX/VIDEO' 'AUX/VIDEO' 13 on the Remote Commander.
- 4. Adjust the 'Sub-Brightness' data so that there is barely a difference between the 0 IRE and 10 IRE signal levels.

#### Sub Contrast Adjustment

- Input a video signal that contains a small 100% white area on a black background.
- Connect an oscilloscope to Pin 10 of J7330 [C Board].
- 3. Program the Remote Commander for operation in Service Mode. [See Page 22].
- Adjust the Sub-Contrast
   [ Using 'AUX/VIDEO' 'AUX/VIDEO' '11'] to obtain a voltage of 114 +0/- 5V.

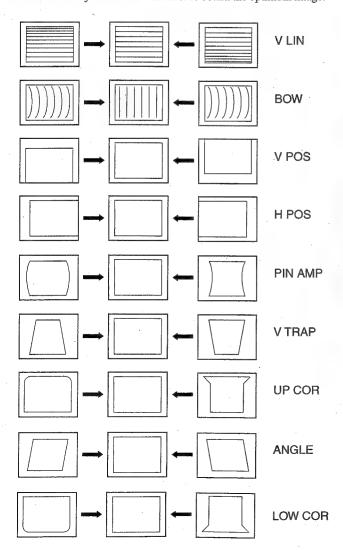
#### Sub Colour Adjustment

- 1. Receive a PAL colour bar signal.
- Connect an oscilloscope to Pin 5 of CN7331 [C Board].
- 3. Program the Remote Commander for operation in Service Mode. [See Page 22].
- Adjust the 'Sub Colour'
   [ Using 'AUX/VIDEO' 'AUX/VIDEO' '12' ] so that the Cyan,
   Magenta and Blue colour bars are of equal levels as indicated
   below.



#### **Deflection System Adjustment**

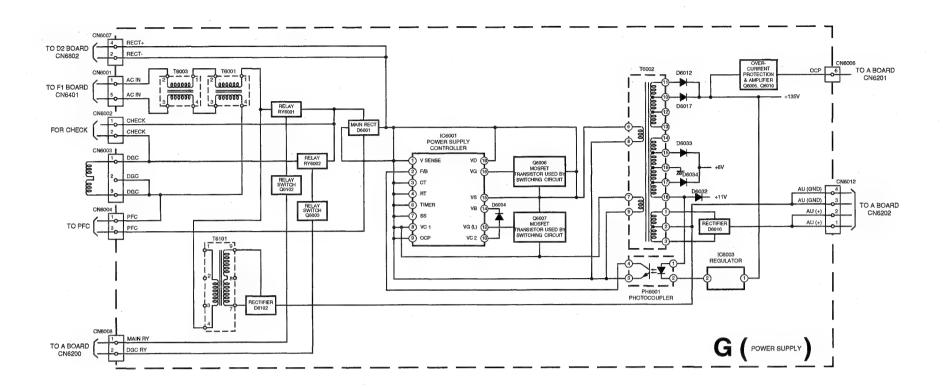
- Program the Remote Commander for operation in Service Mode.
   [ See Page 22 ] and enter into the 'Geometry' service menu,
   Wide mode adjustment.
- 2. Select and adjust each item in order to obtain the optimum image.

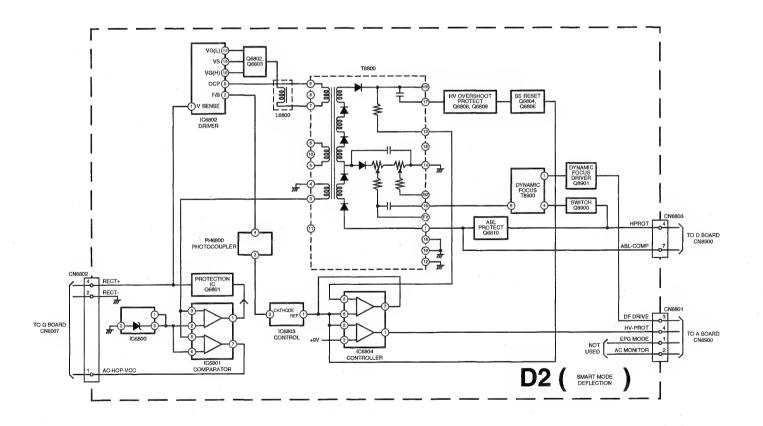


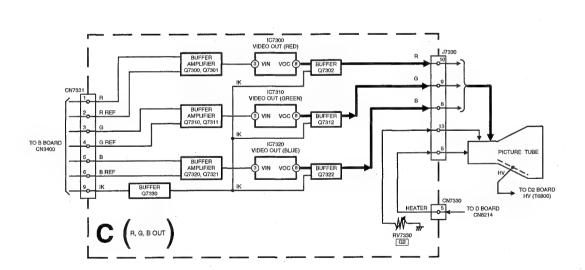
#### 4-2 TEST MODE 2:

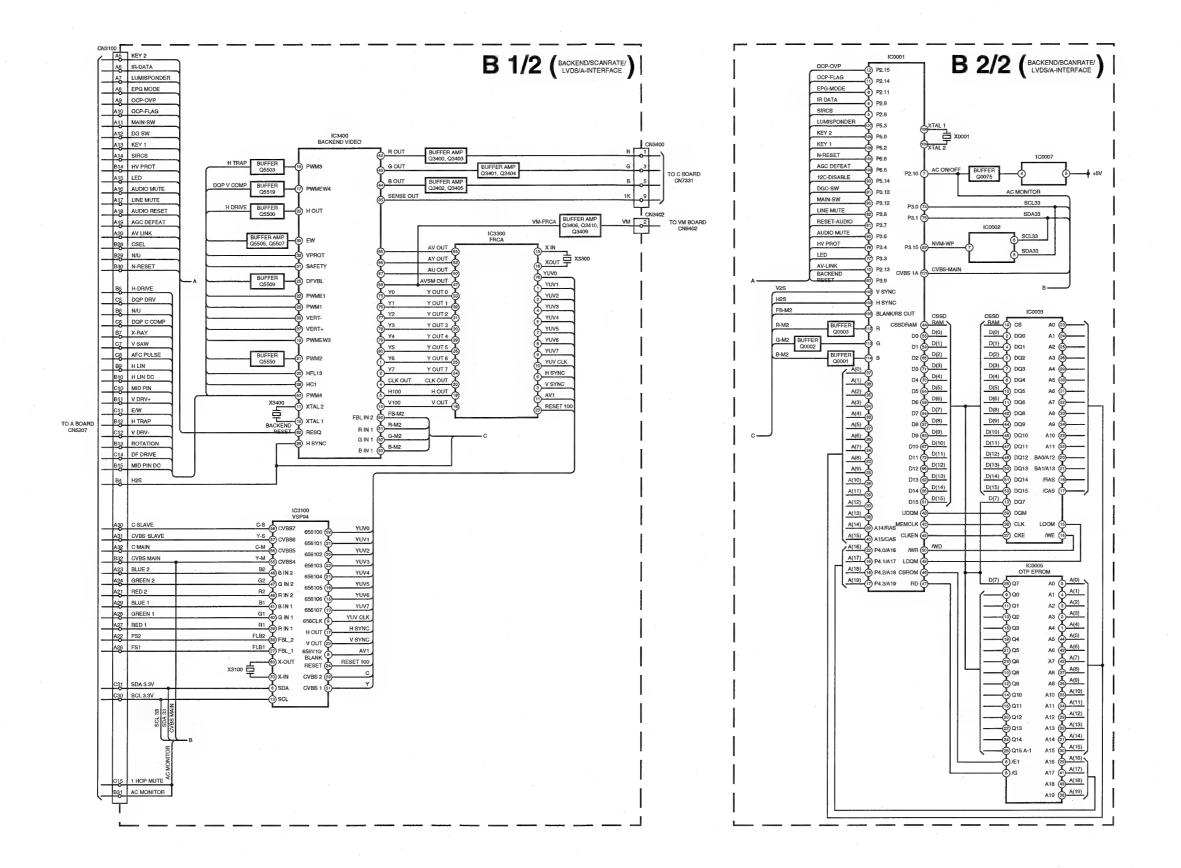
Test Mode 2 is available by programming the Remote Commander for operation in Service Mode [ As shown on Page 22 ] then pressing the 'AUX/VIDEO' button twice, OSD 'TT' appears. The functions described below are available by selecting the two numbers. To release 'Test mode 2', press 00, or switch the TV set into Stand-by mode.

***************************************	
00	'TT' mode off
01	Set picture level to maximum
02	Set picture level to minimum
03	Set speaker/headphone Volume to 35%
04	Set speaker/headphone Volume to 50%
05	Set speaker/headphone Volume to 65%
06	Set speaker/headphone Volume to 80%
07	Ageing mode on
08	Shipping Condition
11	Sub picture adjustment
12	Sub colour adjustment
13	Sub brightness adjustment
15	Rotation coil test
16	Picture level 50%
19	Factory mode enable/disable
21	Destination ADEKR
22	Destination BL
24	Destination U
35	Wide model selection
36	VM off/on test
43	Select Dual A sound
44	Select Dual B sound
45	Select Mono sound
46	Select Stereo sound
49	Set NVM as virgin
53	FM Overmodulation enable/disable
62	AM from baseband enable/disable
73	Enable Zweiton D/K2 system (6.5/6.74)
74	Enable Zweiton D/K3 system (6.5/6.74)
78	Balance full left
79	Balance full right
87	Local keys test
91	Set 14:9 zoom mode
92	Set Smart zoom mode
93	Set 16:9 zoom mode
94	Set ZOOM zoom mode
95	Set 4:3 zoom mode
96	Set Smart zoom mode (for FX66)
99	DisplayError and Working Time menu

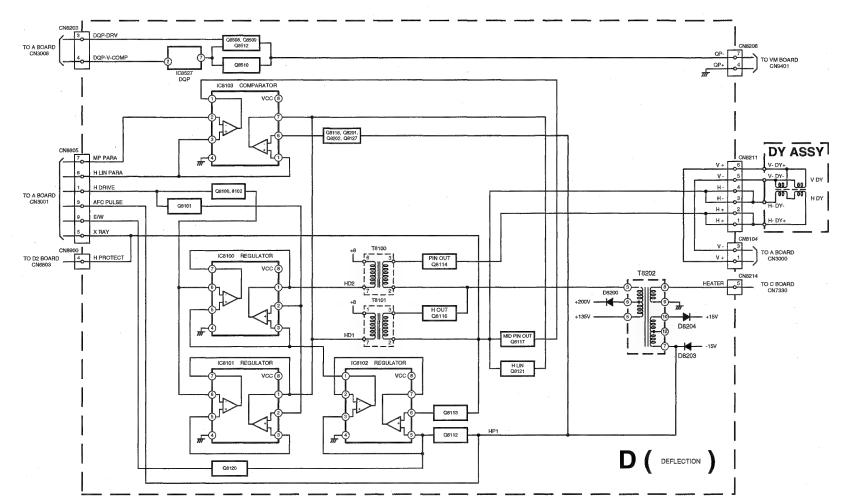


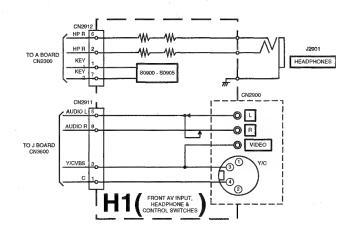


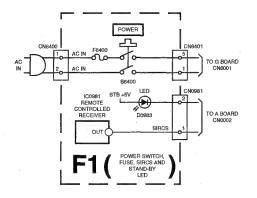


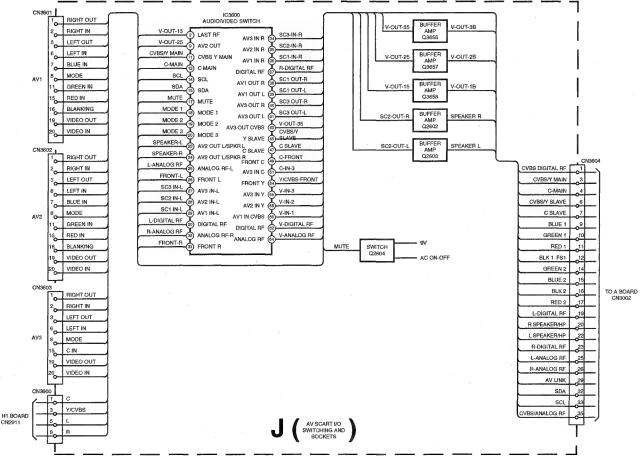


#### 5-1. BLOCK DIAGRAMS (3)

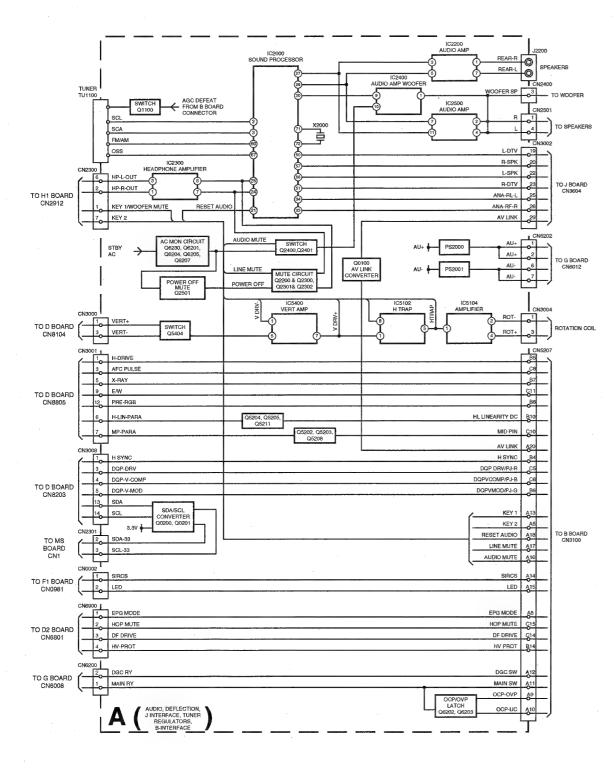


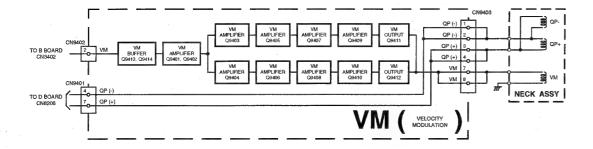




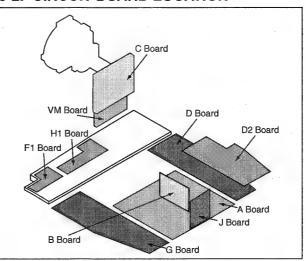


#### 5-1. BLOCK DIAGRAMS (4)





#### 5-2. CIRCUIT BOARD LOCATION



#### 5-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

#### Note:

- All capacitors are in µF unless otherwise noted.
- pF : μμF 50WV or less are not indicated except for electrolytic types.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch : 5mm Electrical power rating : 1/4W

· Chip resistors are 1/10W

All resistors are in ohms.

k = 1000 ohms, M = 1000,000 ohms

• : nonflammable resistor.

------

fusible resistor.internal compone

internal component.
panel designation or adjustment for repair.

All variable and adjustable resistors have

characteristic curve B, unless otherwise noted.

All voltages are in Volts.

Readings are taken with a 10Mohm digital mutimeter.

Readings are taken with a color bar input signal.

 Voltage variations may be noted due to normal production tolerences.

• B + bus.

• = = : B - bus.

: RF signal path.

■ : earth - ground

• : earth - chassis.

#### **Reference Information**

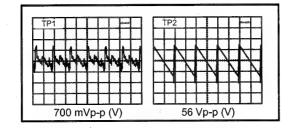
RESISTOR	RN	: METAL FILM									
	RC	: SOLID									
	FPRD	: NON FLAMMABLE CARBON									
	FUSE	: NON FLAMMABLE FUSIBLE									
	RS	: NON FLAMMABLE METAL OXIDE									
	RB	: NON FLAMMABLE CEMENT									
	RW	: NON FLAMMABLE WIREWOUND									
	×	: ADJUSTMENT RESISTOR									
COIL	LF-8L	: MICRO INDUCTOR									
CAPACITOR	TA	: TANTALUM									
	PS	: STYROL									
	PP	: POLYPROPYLENE									
	PT	: MYLAR									
	MPS	: METALIZED POLYESTER									
	MPP	: METALIZED POLYPROPYLENE									
	ALB	: BIPOLAR									
	ALT	: HIGH TEMPERATURE									
	ALR	: HIGH RIPPLE									

Note: The components identified by shading and marked △ are critical for safety. Replace only with the part numbers specified in the parts list.

Note: Les composants identifiés par une trame et par une marque △ sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié. specified.

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#### ~ A Board Waveforms ~



#### ~ A Board Location Table (A Side) ~

	DIC	DE	D5405	D - 10	D6211	K - 4	IC2500	H-3	IC6204	M - 4	
						J - 9					
ī	D2201	E-3	D6203	L - 5	D6213	L-8	IC5104	H - 10	1C6209	J - 8	į
ı	D5103	H - 10	D6204	K - 2		IC .	IC5400	E - 10	IC6210	K - 4	
	D5404	E - 11	D6210	L - 4	IC2400	J - 4	IC6202	L-8	IC6212	L-3	

#### ~ A Board Location Table (B Side) ~

DIC	DE	D5206	G-7	D6204	E - 2	IC2200	L - 4	IC6207	F-9	Q1300	L-2	Q2401	F - 4	Q5202	H - 4	Q5404	K - 10
D2200	L-3	D5207	G - 6	D6205	E - 3	IC2300	J - 3	IC6209	F-9	Q1301	K-2	Q2500	H - 3	Q5203	H - 4	Q6201	E-2
D2201	J-4	D5208	H - 6	D6206	D-3	IC2400	G - 4	IC6210	F - 4	Q2000	J-3	Q2501	H - 3	Q5204	G-7	Q6202	E-3
D2202	J-4	D5209	G-7	D6207	D-3	IC2500	H - 3	IC6211	E - 5	Q2200	1-4	Q2502	H - 4	Q5205	F-6	Q6203	E-3
D2500	н-з	D5210	G - 6	D6208	D-3	IC5102	G - 10	IC6212	E - 4	Q2201	L-3	Q2503	H - 4	Q5206	H - 7	Q6204	E-3
D5100	G - 10	D5211	G - 6	D6210	D-3	IC5104	H - 10	TRANS	SISTOR	Q2202	L-3	Q2504	H - 4	Q5207	H - 6	Q6205	E-2
D5104	H-9	D5404	K - 10	D6213	D-8	IC5400	K - 10	Q0100	K - 6	Q2300	1 - 4	Q5100	G - 10	Q5208	G - 7	Q6206	E-2
D5200	F-7	D5405	L - 10	D6214	E-4	IC6200	E - 5	Q0200	K - 7	Q2301	1-4	Q5101	F - 10	Q5209	H - 6	Q6207	E-2
D5202	F-6	D6201	F-9	- 1	С	IC6202	D - 8	Q0201	K - 7	Q2302	J - 4	Q5200	F-6	Q5210	G - 6	Q6208	E-3
D5205	G - 7	D6203	D-5	IC2000	K - 4	IC6204	E4	Q1100	M - 2	Q2400	F - 4	Q5201	F-6	Q5211	G - 6	Q6209	E-4

#### ~ A Board Semiconductor Voltage Table ~

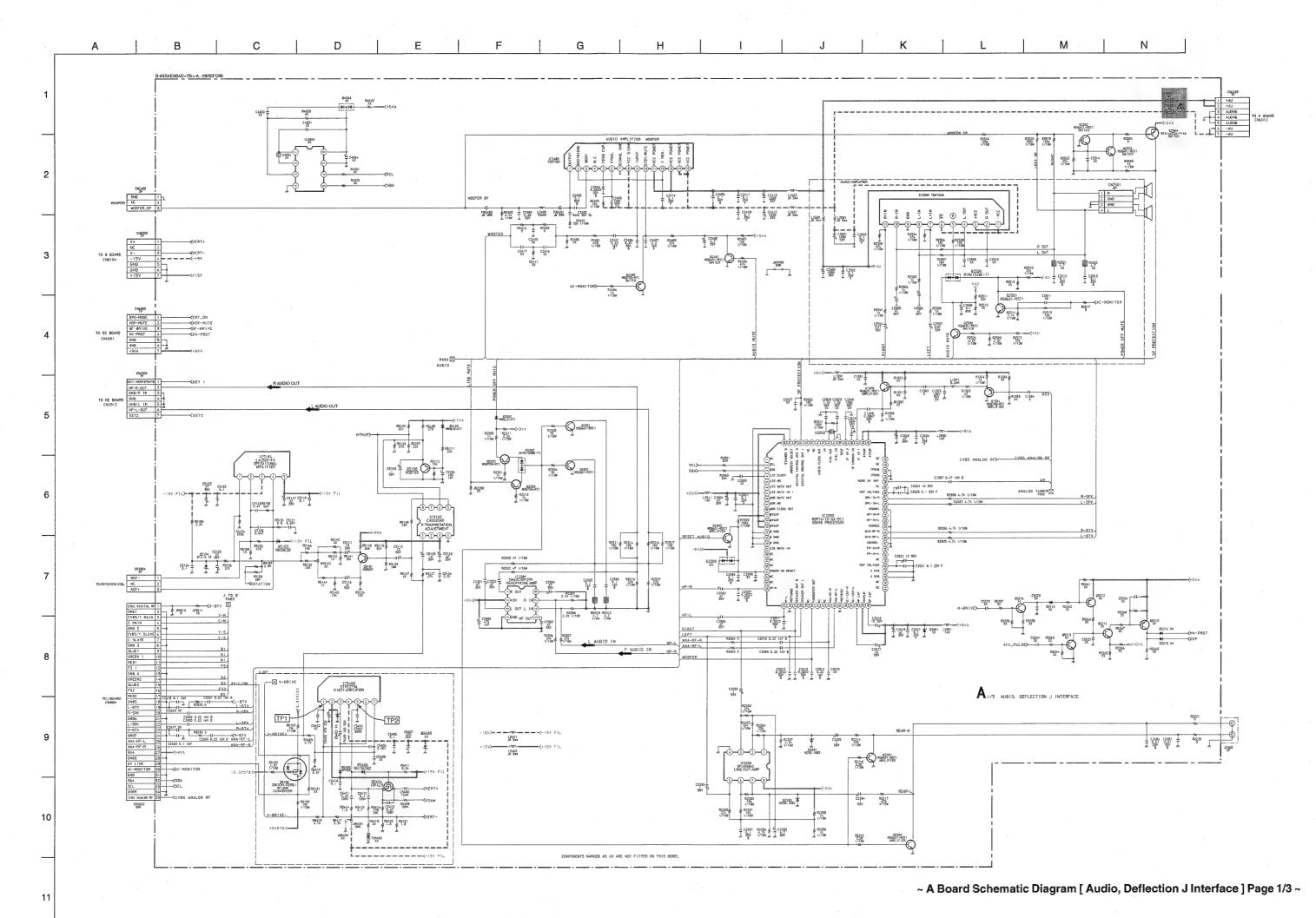
Ref	(e)(s)	(b)(g)	(c)(d)																				
Q1100	0	0	4.5	Q2202	0	0.4	0	Q2500	0.1	0.1	0.6	Q5101	0.8	1.4	6.8	Q5208	0	0	1.5	Q6202	3.4	3.4	0
Q1300	2.7	2.1	8.4	Q2300	0	0	0.7	Q2501	0	0.6	0	Q5200	6.8	6.3	3.0	Q5209	0	0	1.5	Q6203	0	0	3.4
Q1301	2.1	2.1	0	Q2301	0	0.4	0	Q2502	0	0	5.0	Q5201	0	0.4	3.0	Q5210	0	0	1.5	Q6204	3.4	3.4	0
Q2000	0	0	4.7	Q2302	0	0.4	0	Q2503	0	0	5.0	Q5203	0	0.4	3.0	Q5211	0	0	1.5	Q6205	3.5	2.7	3.4
Q2200	0	0	-1.6	Q2400	3.9	3.4	0	Q2504	5.0	5.0	0	Q5205	0	0.4	1.5	Q5404	0	12.1	0	Q6206	1.5	2.0	2.7
Q2201	0	0.4	0	Q2401	0	0	4.7	Q5100	2.4	1.8	0	Q5207	0	0.4	3.0	Q6201	1.5	0.6	3.4	Q6207	0	0	3.4

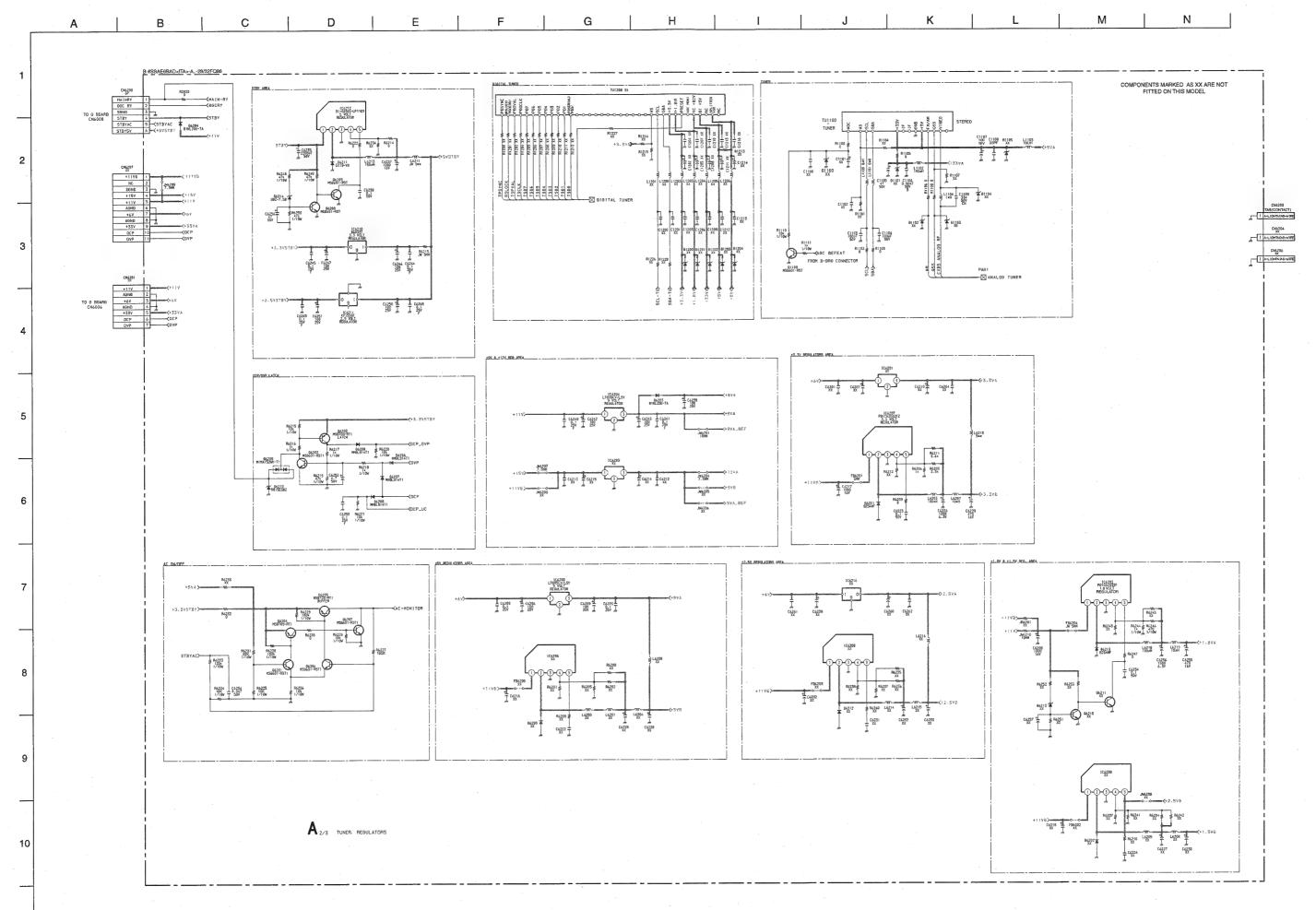
#### ~ A Board IC Voltage Table ~

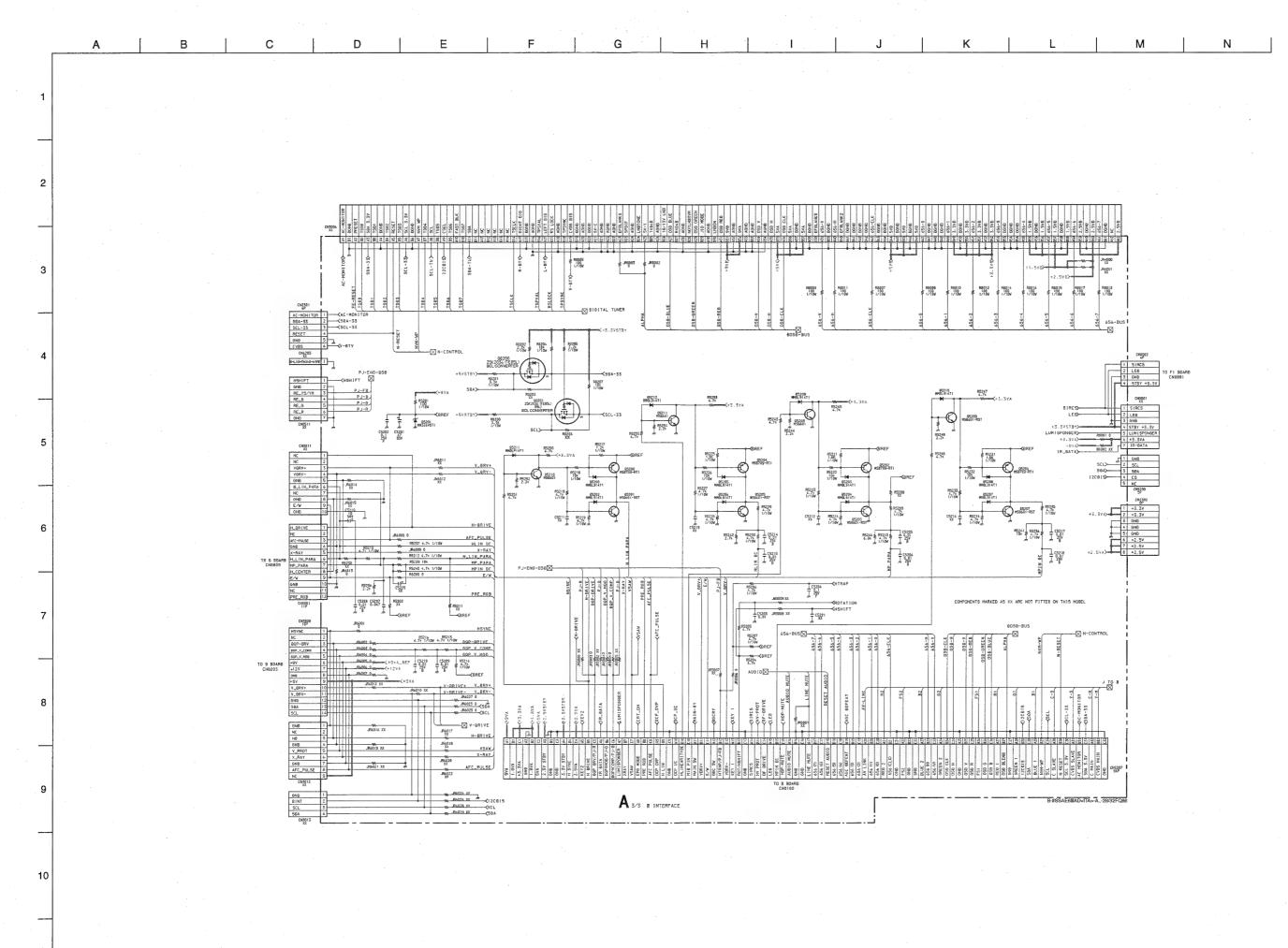
IC Voltage Table			IC Voltage Table			IC Voltage Table			IC	Voltage	Table	IC Voltage Table			
Ref No	Pin No	Voltage (V)	Ref No	Pin No	Voltage (V)	Ref No	Pin No	Voltage (V)	Ref No	Pin No	Voltage (V)	Ref No	Pin No	Voltage (V)	
	1	4.5		6	0	IC2400	12	-4.0		2	0	IC5400	7	0.4	
	2	4.5	IC2300	7	.0		2	0		5	2.5	IC6202	4	1.3	
	3	4.5		8	0.5		5	0.9	IC5102	6	2.5	IUDZUZ	5	6.7	
IC2200	5	4.5		1	0		7	0		8	2.2	100007	4	1.3	
	6	4.5		2	-4.0	IC2500	8	0 -	IC5104	- 1	14.6	IC6207	5	6.7	
	7	4.5		3	10.0		9	0		1	0.4	100000	4	1.3	
	1	4.0	IC2400	5	0		10	0		3	-12.3	IC6209	5	6.7	
IC2300	3	4.0		6	-13.2		11	0	IC5400	5	0	100040	4	5.1	
	5	0.5		10	3.9	IC5102	1	17.1		6	15.7	IC6212	5	. 0	

#### ~ A Board Difference Table ~

Ref	KV-28FQ86B	KV-28FQ86E	KV-32FQ86B	KV-32FQ86E	KV-32FQ86K	KV-32FQ86U
TU1100	FRONTEND	FRONTEND	FRONTEND	FRONTEND	FRONTEND	FRONTEND
	BTF-EF411	BTF-EG411	BTF-EF411	BTF-EC411	BTF-EC411	BTF-EU611

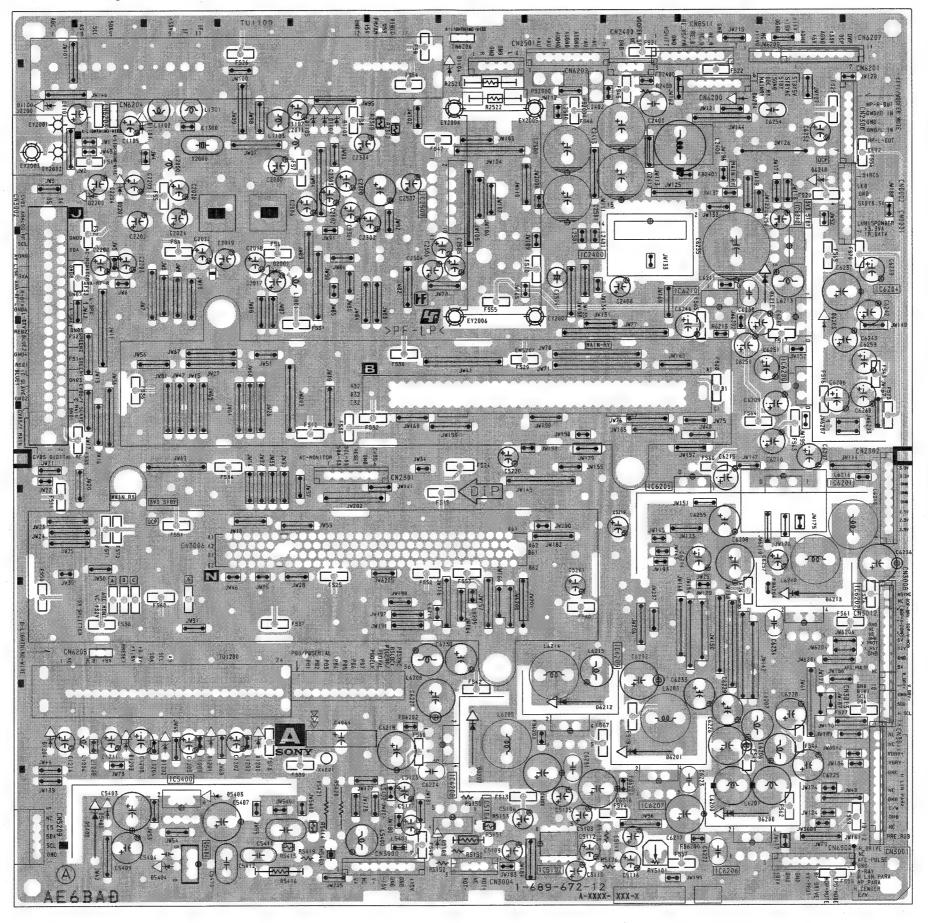




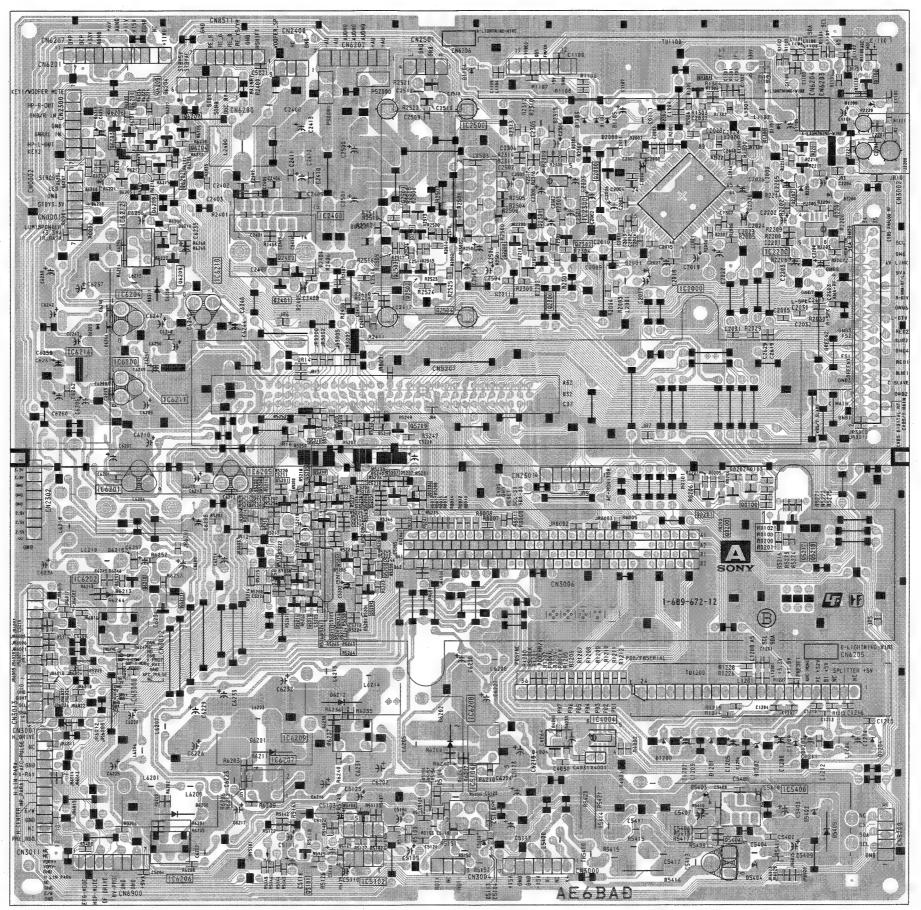


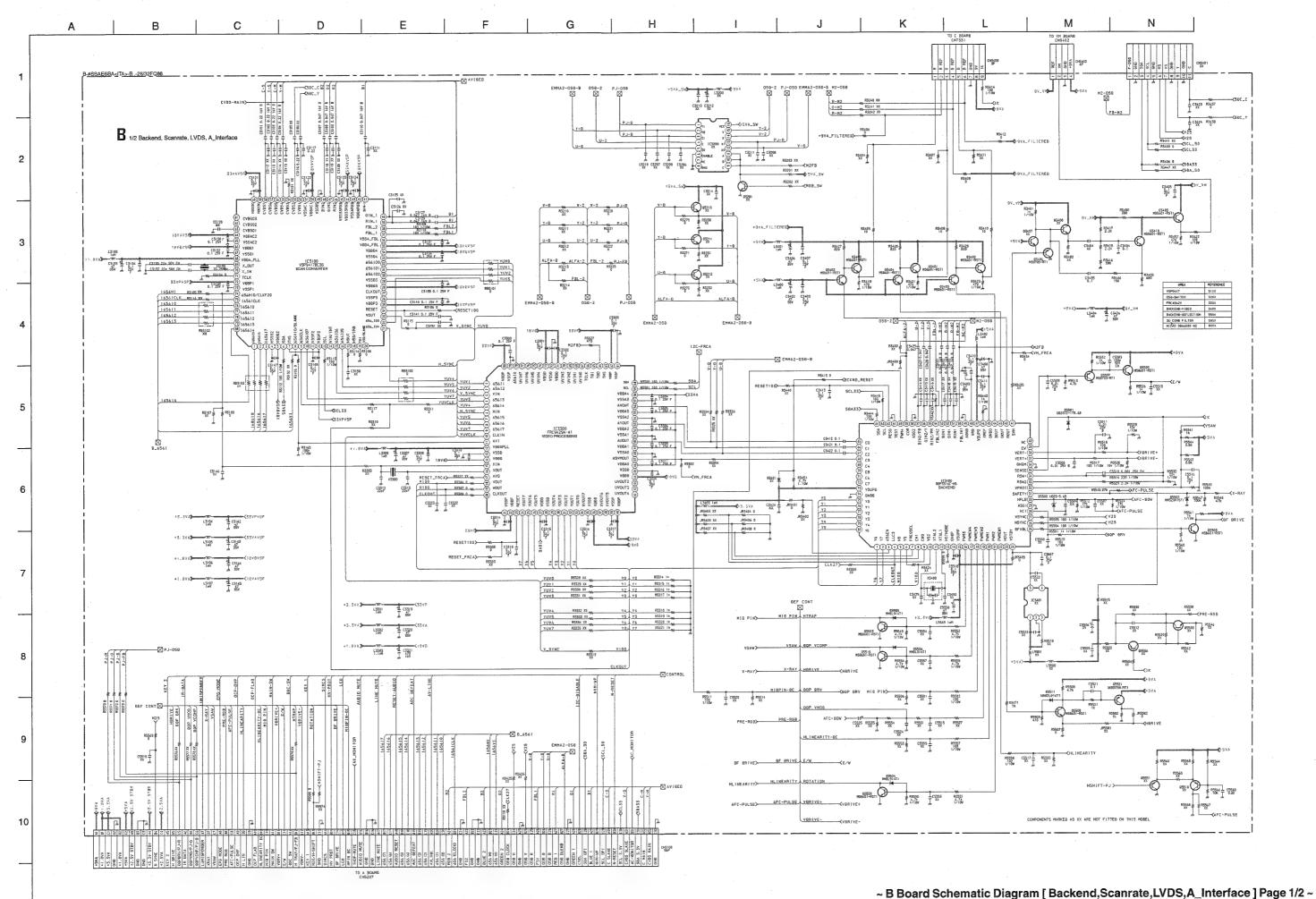
A | B | C | D | E | F | G | H | I | J | K | L | M | N

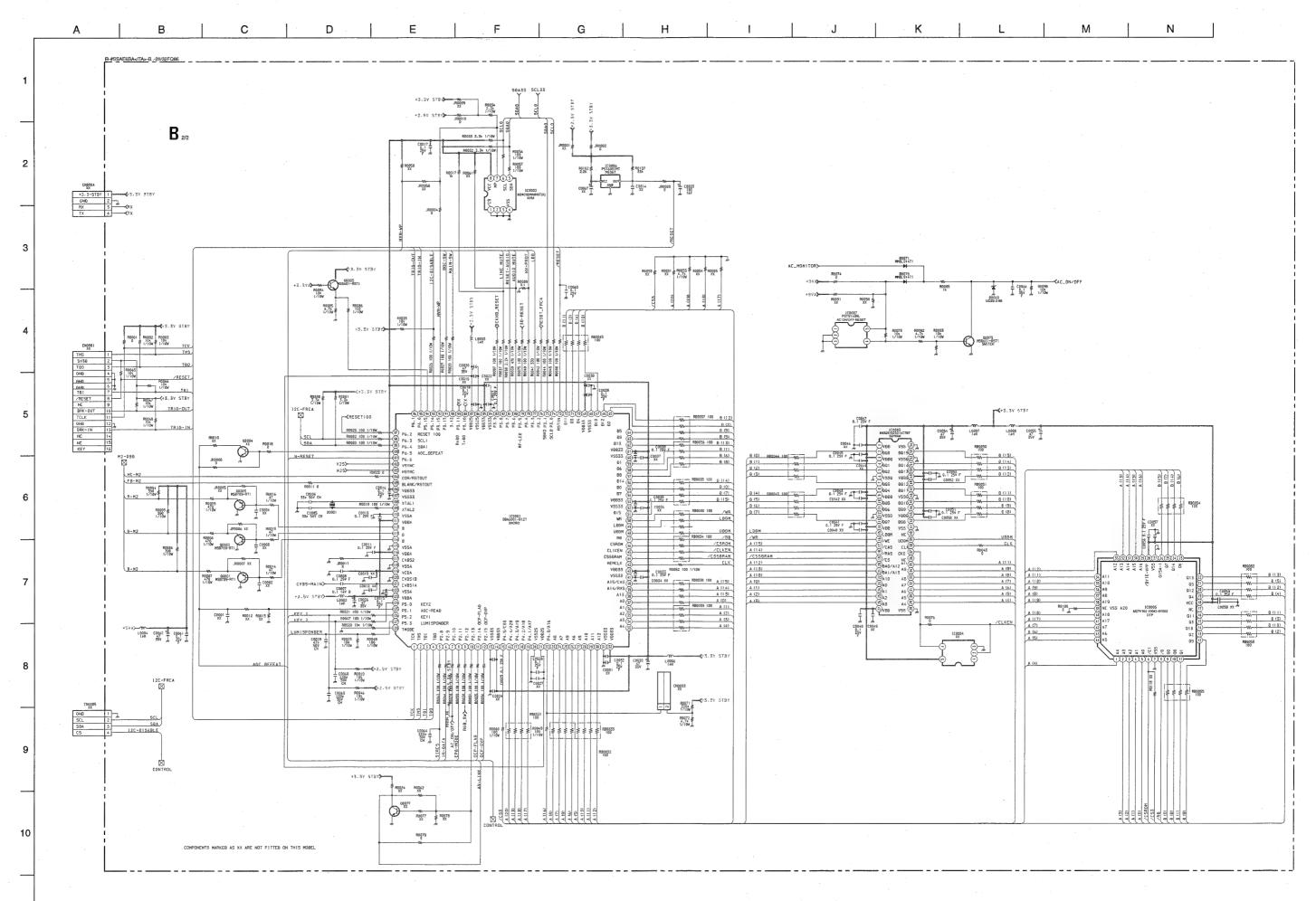
#### ~ A Printed Wiring Board Conductor side A ~



~ A Printed Wiring Board Conductor side B ~

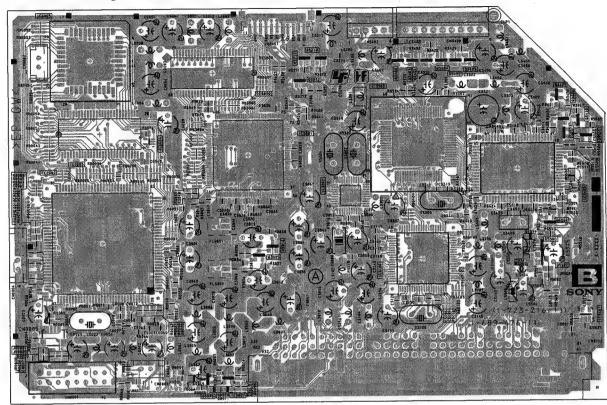




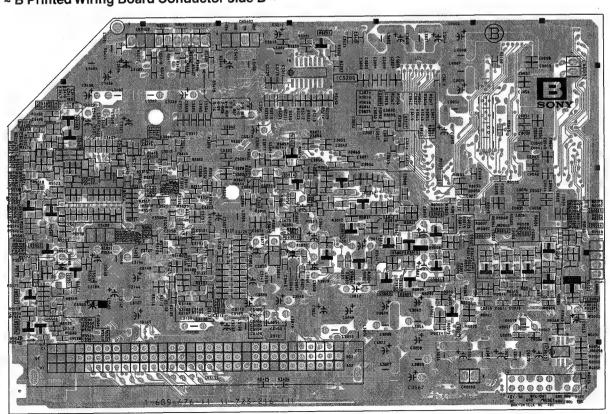


A | B | C | D | E | F | G | H | I | J | K | L | M | N

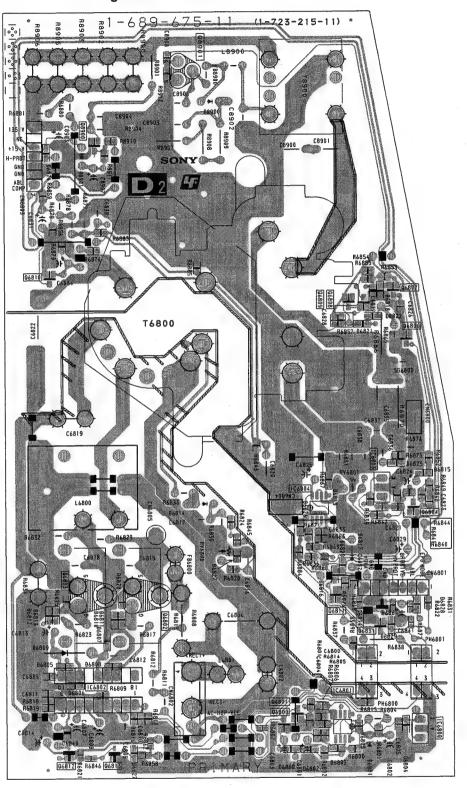
~ B Printed Wiring Board Conductor side A ~

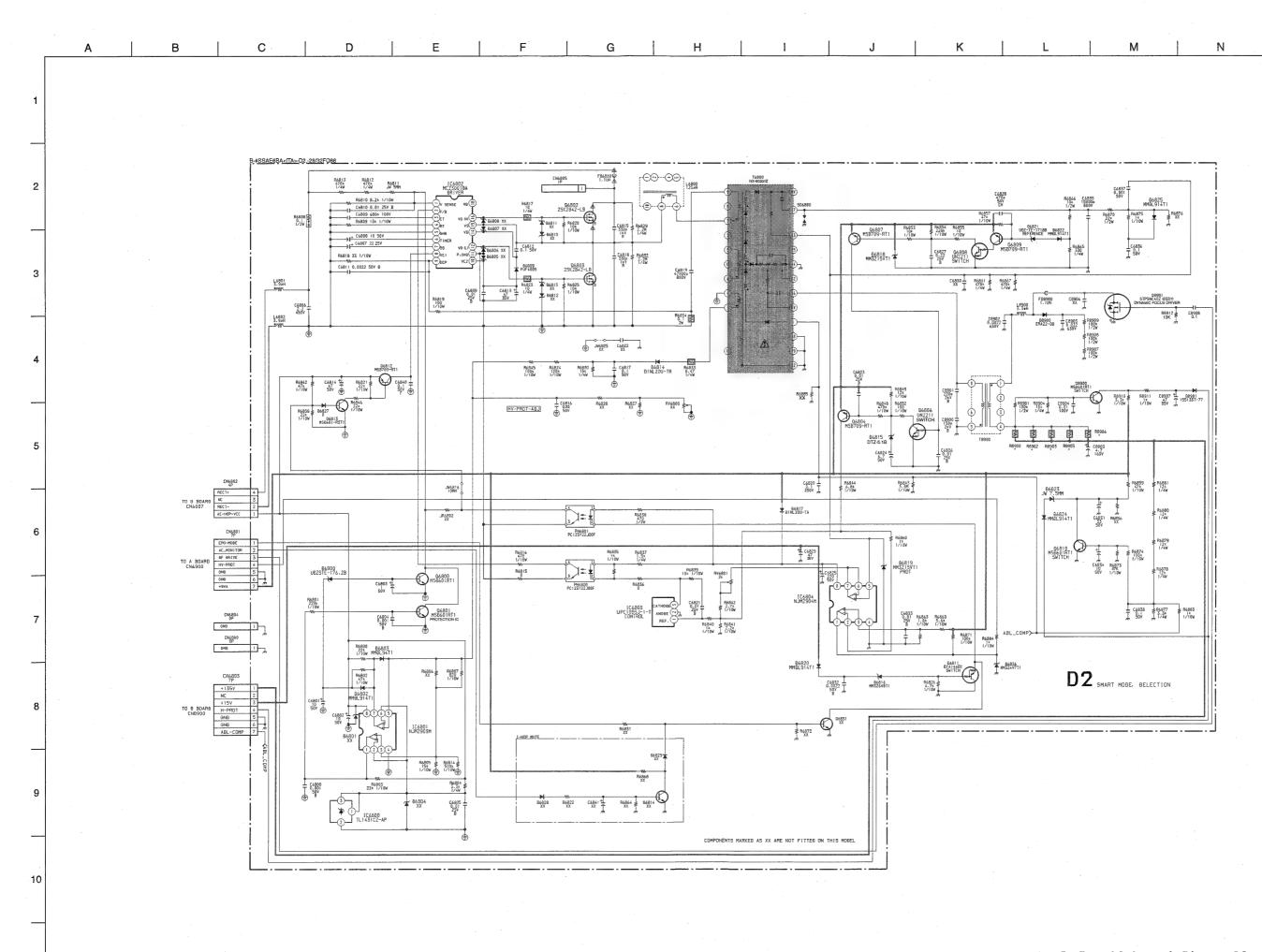


~ B Printed Wiring Board Conductor side B ~



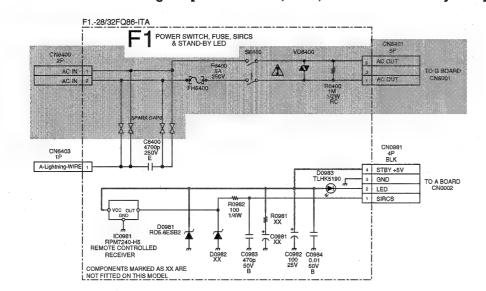
~ D2 Printed Wiring Board Conductor side ~



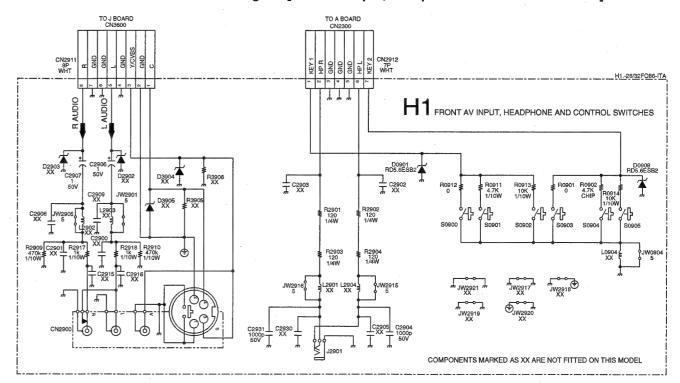


A B C D E F G H I J K L M N

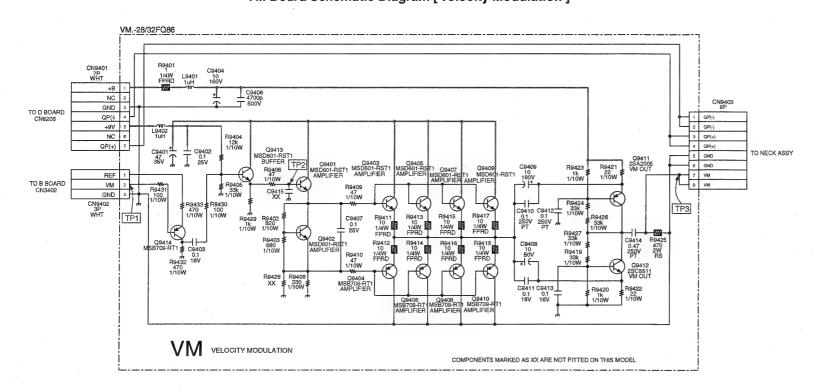
~ F1 Board Schematic Diagram [ Power Switch, Fuse, SIRCS and Stand-By LED ] ~



### ~ H1 Board Schematic Diagram [ Front AV Input, Headphone and Control Switches ] ~



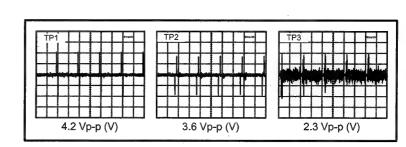
#### ~ VM Board Schematic Diagram [Velocity Modulation] ~

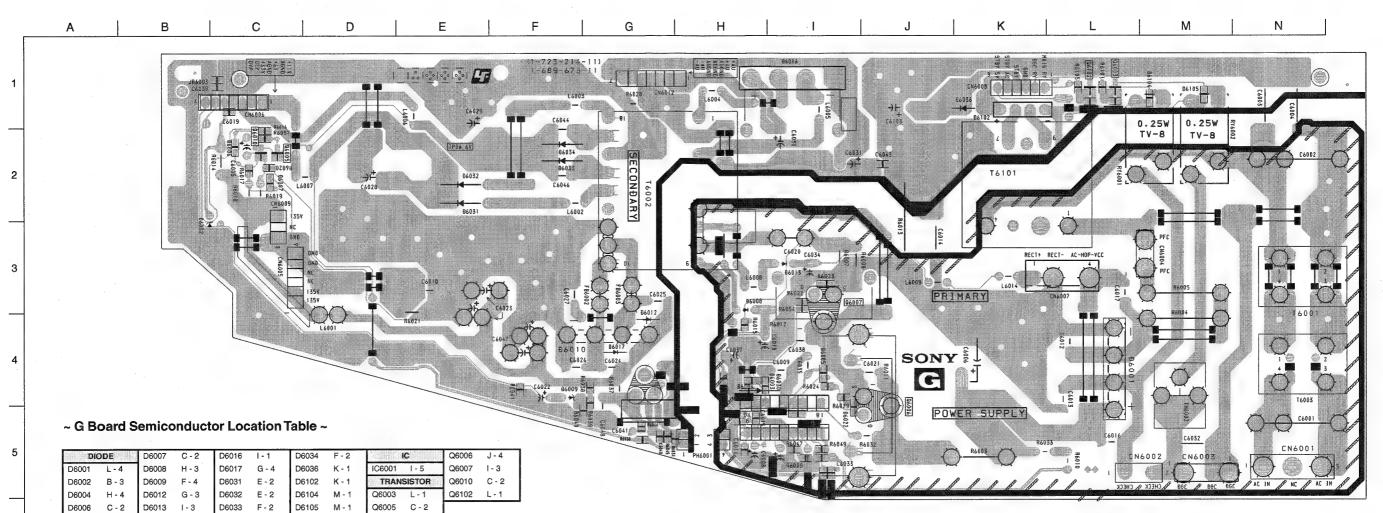


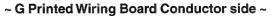
#### ~ VM Board Voltage Table ~

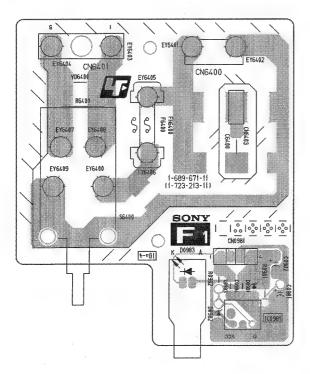
Ref	(e)(s)	(b)(g)	(c)(d)	Ref	(e)(s)	(b)(g)	(c)(d)
Q9401	5.1	5.7	8.9	Q9408	4.3	3.6	0
Q9402	3.4	4.3	5.1	Q9409	4.4	5.1	8.9
Q9403	4.4	5.1	8.9	Q9410	4.3	3.6	0
Q9404	4.3	3.6	0	Q9411	4.3	3.6	0
Q9405	4.4	5.1	8.9	Q9412	135.1	1.4.6	70.5
Q9406	4.3	3.6	0	Q9413	0.3	0.9	70.5
Q9407	4.4	5.1	8.9	Q9413	6.6	5.9	2.4

#### ~ VM Board Waveforms ~

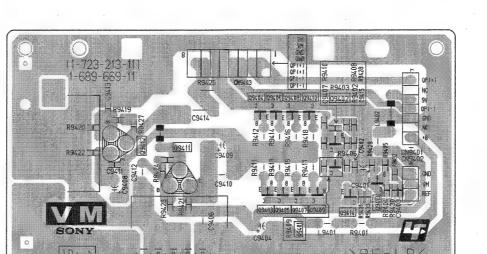




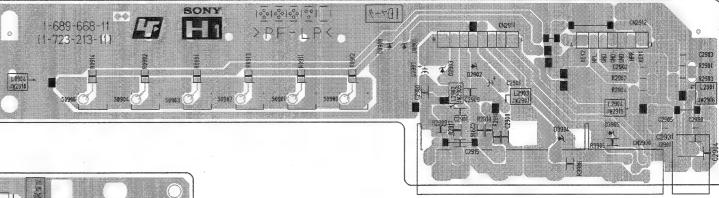




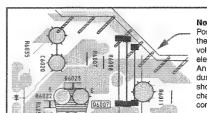
~ F1 Printed Wiring Board Conductor side ~



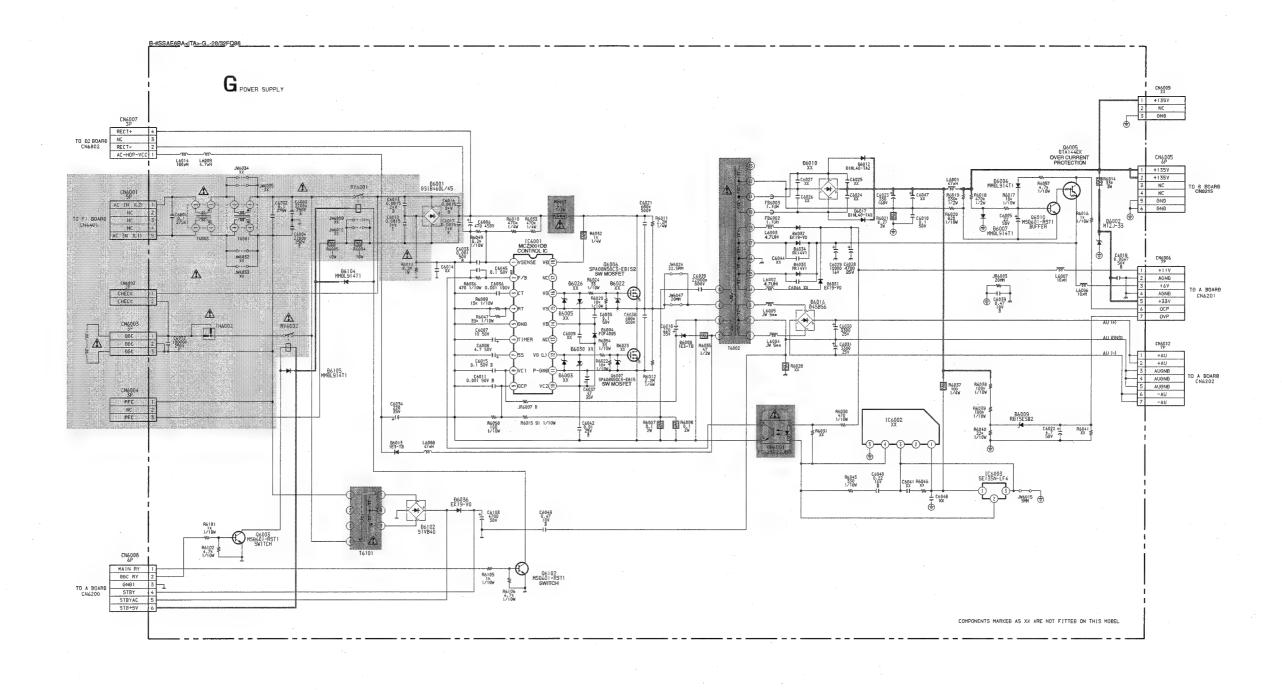
~ VM Printed Wiring Board Conductor side ~

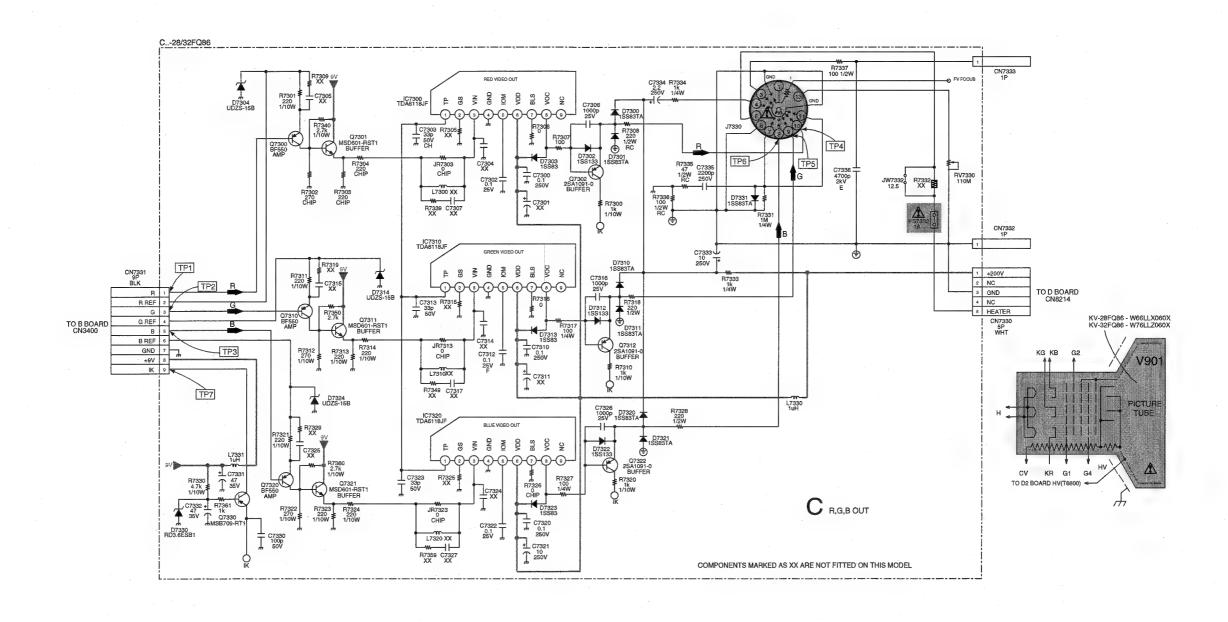


~ H1 Printed Wiring Board Conductor side ~



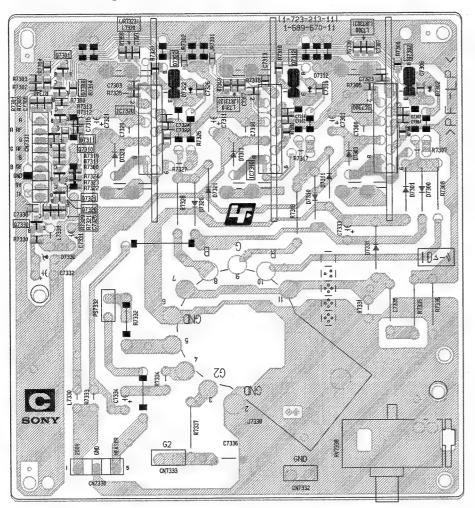
Note:
Portions of the circuit contained within Portions of the circuit contained within the marked areas as shown have high voltages present. Use care to prevent electric shock during inspection or repair. An Isolation Transformer must be used during any Service work to avoid possible shock hazard due to live chassis. The chassis of this receiver is directly connected to the power line.



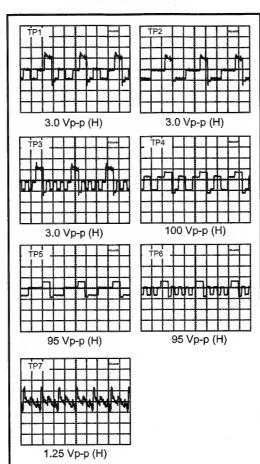


A | B | C | D | E | F | G | H | I | J | K | L | M | N

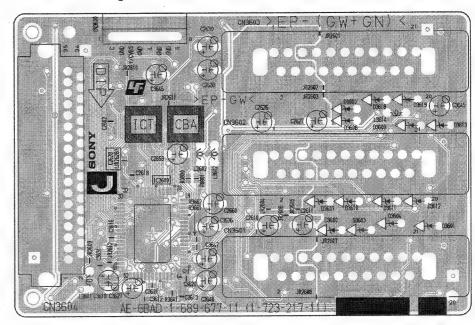
#### ~ C Printed Wiring Board Conductor side ~



#### ~ C Board Waveforms ~



#### ~ J Printed Wiring Board Conductor side A ~



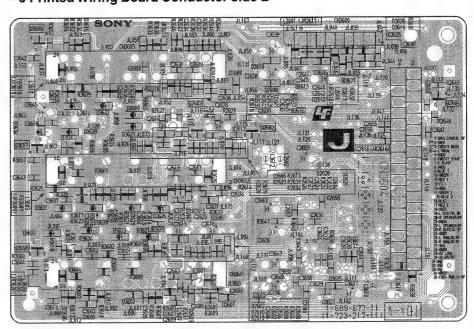
#### ~ C Board Semiconductor Voltage Table ~

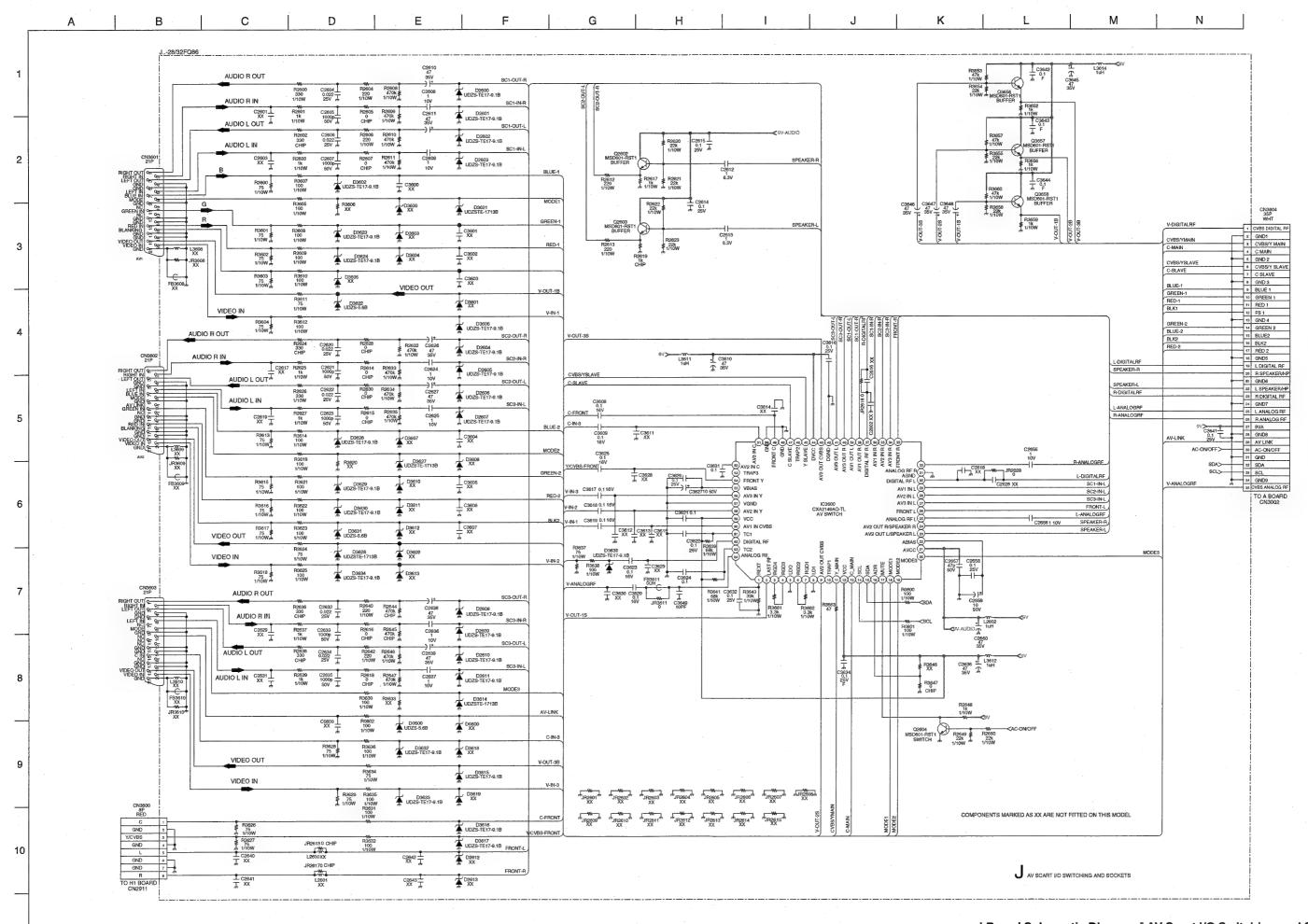
	Ref	(e)(s)	(b)(g)	(c)(d)	Ref	(e)(s)	(b)(g)	(c)(d)
	Q7300	7.5	6.9	2.4	Q7312	149.5	149.56	3.8
1	Q7301	1.8	2.4	8.9	Q7320	7.6	6.9	2.3
ı	Q7302	145.9	147.8	4.0	Q7321	1.7	2.3	8.9
1	Q7310	7.6	7.0	2.2	Q7322	148.4	150.6	3.8
ı	Q7311	1.6	2.2	8.9	Q7330	3.6	3.2	0

#### ~ C Board IC Voltage Table ~

Ref No	Pin No	Voltage (V)
IC7300	1	5.3
	2	21.9
	3	1.9
	5	5.9
	6	205.4
	8	147.6
	1	5.1
	2	. 0
	3	1.7
IC7310	5	5.6
	6	205.4
	8	149.5
BODE:	1	5.1
	2	0
	3	1.8
IC7320	5	4.8
	6	205.4
	8	150.4

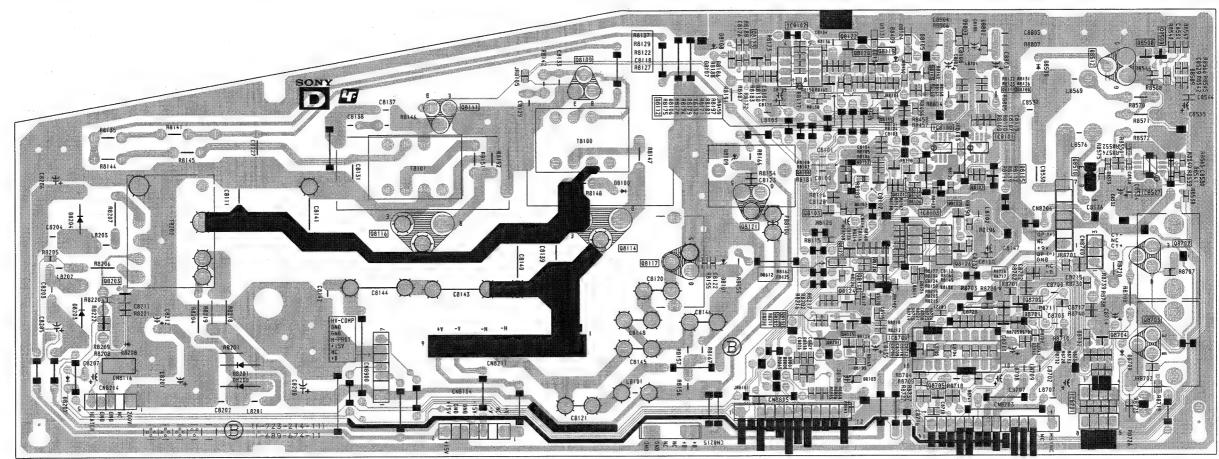
#### ~ J Printed Wiring Board Conductor side B ~



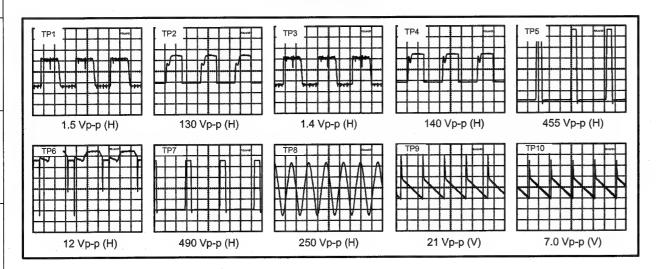


A | B | C | D | E | F | G | H | I | J | K | L | M | N

#### ~ D Printed Wiring Board Conductor side ~



#### ~ D Board Waveforms ~



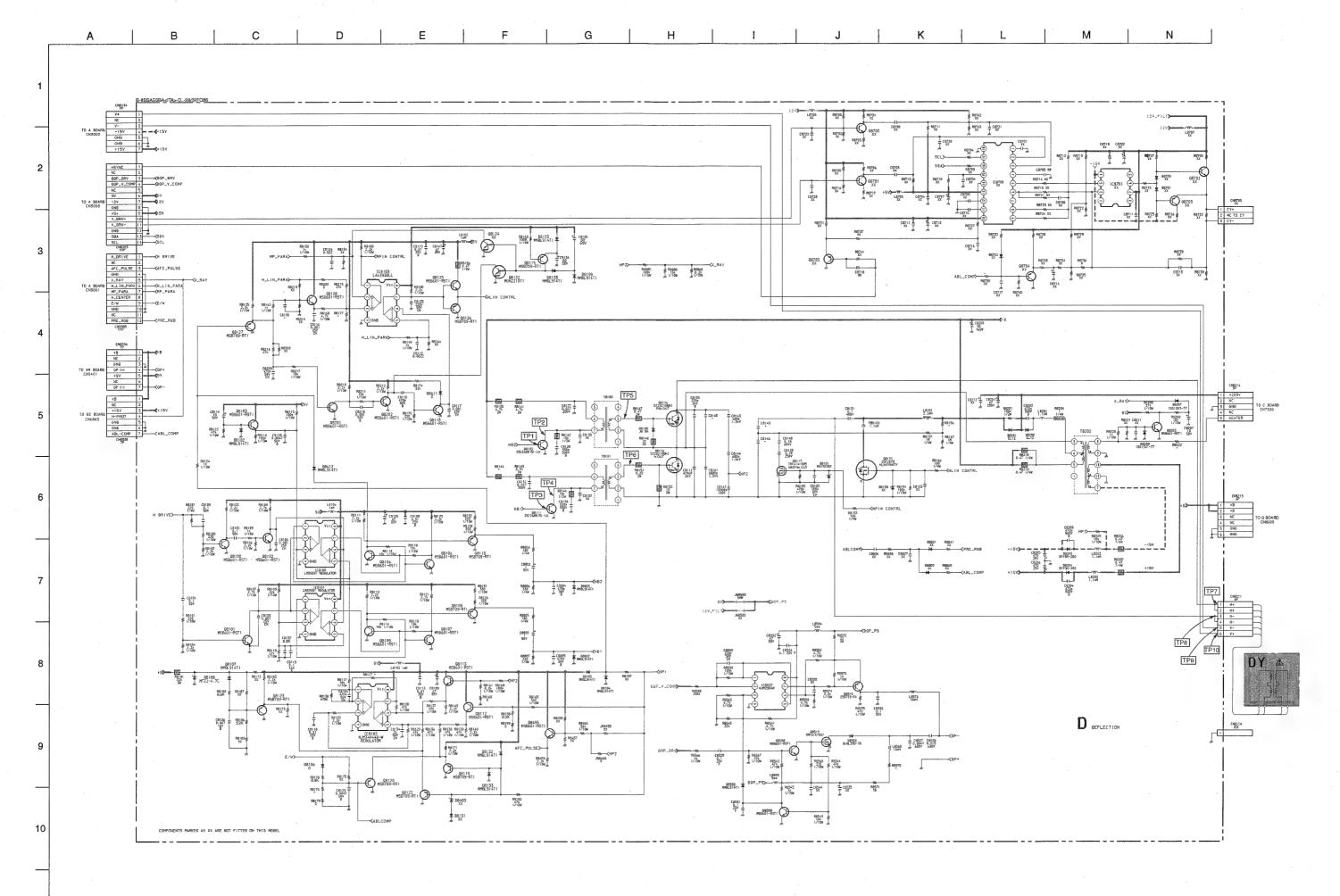
#### ~ D Board IC Voltage Table ~

IC	Voltage	Table	IC Voltage Table    Nef No			
Ref No	Pin No	Voltage (V)	Ref No	Pin No	Voltage (V)	
No.	1			1	3.8	
	2	3.9		2	0.4	
	3	3.9		3	0.4	
IC8100	5	3.9	IC8102	5	0.4	
	6	3.6		6	0.4	
	7	0.4		7	0.4	
	1	0.3		1	2.5	
	2	3.9		2	1.7	
	3	3.2		3	1.7	
IC8101	5	3.2	IC8103	5	0.9	
	6	3.6		6	3.6	
	7	3.5		7	1.1	

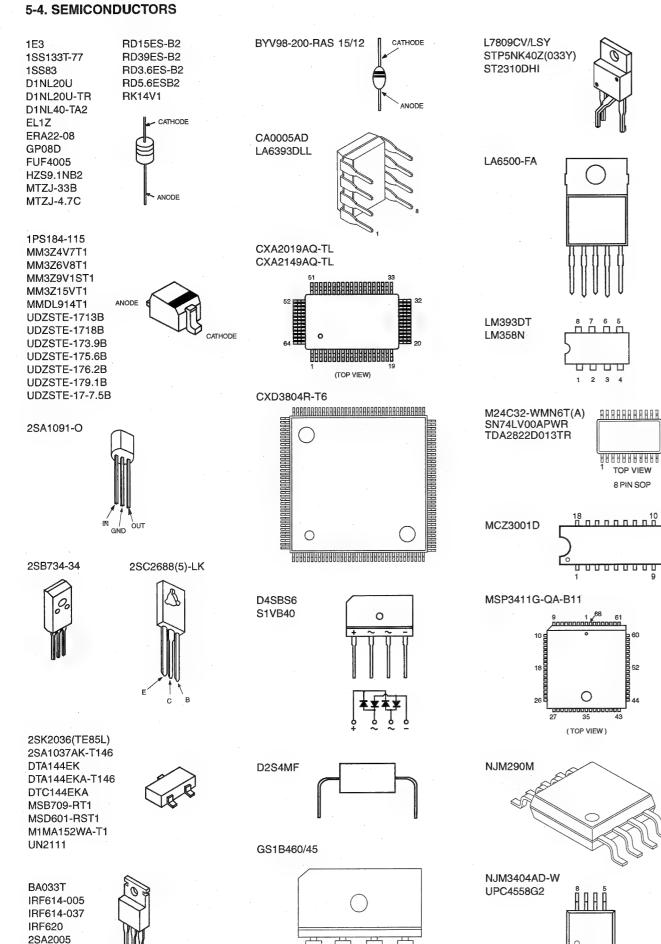
#### ~ D Board Semiconductor Voltage Table ~

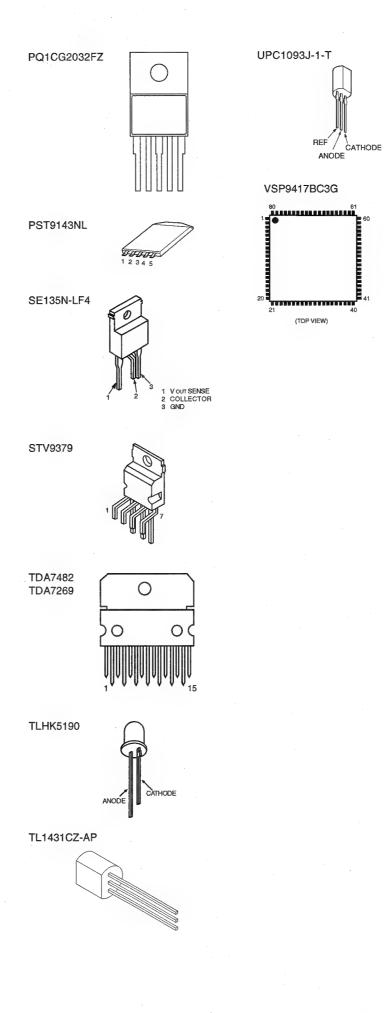
Ref	(e)(s)	(b)(g)	(c)(d)	Ref	(e)(s)	(b)(g)	(c)(d)	Ref	(e)(s)	(b)(g)	(c)(d)
Q8100	0	0	3.0	Q8110	2.4	3.7	0	Q8125	1.2	1.1	8.9
Q8101	0	0	3.9	Q8111	0	0	62.9	Q8126	1.2	1.1	0
Q8102	0	1.0	3.6	Q8113	0.4	0	8.9	Q8127	1.1	1.5	0
Q8103	3.9	0	8.9	Q8115	8.6	8.9	0	Q8128	3.4	1.5	8.9
Q8104	0	0.3	3.7	Q8118	0	0	3.6	Q8132	. 0	0	3.6
Q8105	0	3.5	0.3	Q8119	1.2	0.5	0	Q8201	0	0.6	3.7
Q8106	0	0.3	3.9	Q8120	1.3	0.5	0	Q8202	0	0.9	3.7
Q8107	0	0.3	3.9	Q8121	0	1.2	135.2	Q8455	1.2	1.7	8.9
Q8108	2.4	0.3	0	Q8122	0.5	1.4	0	Q8510	8.1	7.5	0.4
Q8109	0	0	58.0	Q8123	0.5	1.3	0	Q8512	0	5.3	32.6

11



2SC5511

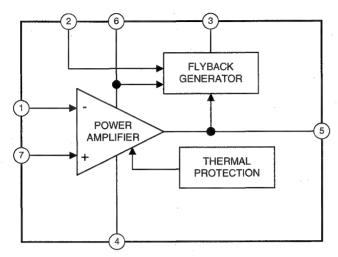




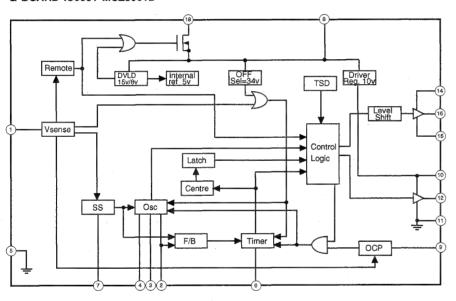
(TOP VIEW)

#### 5-5. IC BLOCK DIAGRAMS

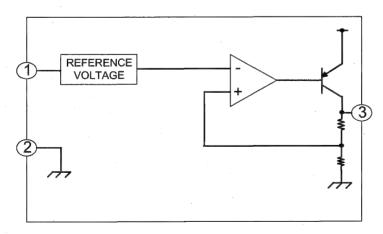
#### A BOARD IC5400 STV9379A



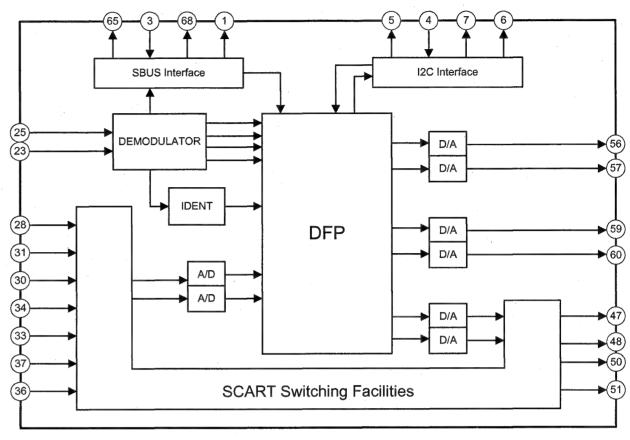
#### G BOARD IC6001 MCZ3001D



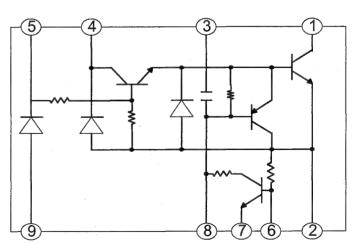
#### A BOARD IC6210 BA033T



#### A BOARD IC2000 MSP3411G



#### G BOARD IC6003 SE135N-LF4



## SECTION 6 EXPLODED VIEWS

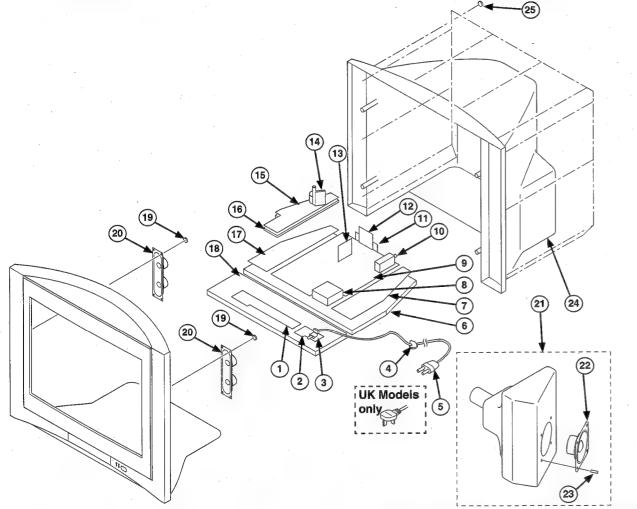
#### NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.
- Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

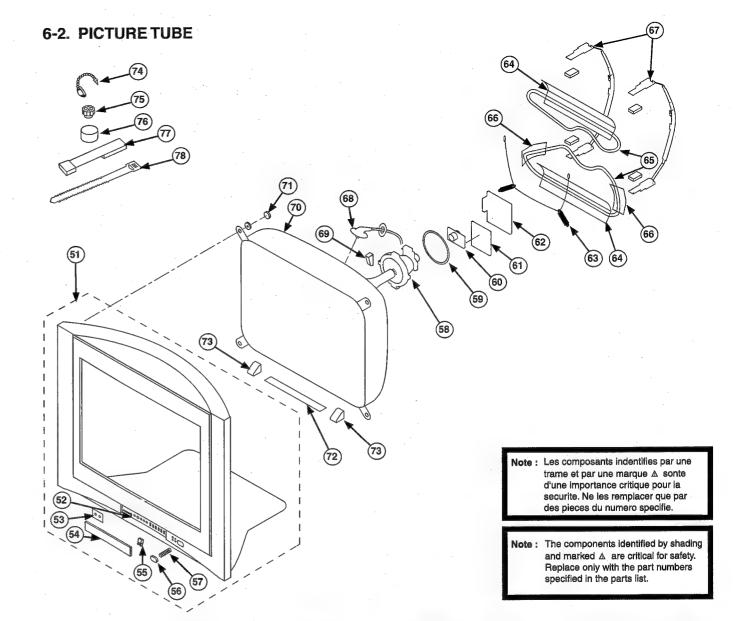
Note: Les composants indentifies par une trame et par une marque ▲ sonte d'une importance critique pour la securite. Ne les remplacer que par des pieces du numero specifie.

Note: The components identified by shading and marked ∆ are critical for safety. Replace only with the part numbers specified in the parts list.

#### 6-1. CHASSIS



REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
1	*A-1405-609-A	H1 BOARD COMPLETE		14 A	1-453-378-21	TRANSFORMER ASSY,	FLYBACK (NX-6020//Z214)
2	*A-1405-611-A	F1 BOARD, COMPLETE		4			(KV-28FQ86)
3 A	1-571-433-21	SWITCH, PUSH (AC POW	ER)	Δ	1-453-444-21	TRANSFORMER ASSY,	FLYBACK (NX-6020//Z2B4)
4	*4-202-531-01	AC CORD LOCK (SC)				5 A22	(KV-32FQ86)
5 Δ	*1-783-083-11	CORD, POWER (WITH FI	LTER)	15	*A-1302-547-A	D2 BOARD, COMPLETE	KV-28FQ86
6	*4-095-739-02	BRACKET, MAIN			*A-1302-549-A	D2 BOARD, COMPLETE	KV-32FQ86
7	A-1302-963-A	G BOARD, COMPLETE		16	*4-095-738-01	BRACKET, D2	
8	1-456-510-11	COIL, CHOKE 48.5MMH		17	*A-1302-964-A	D BOARD, COMPLETE	KV-28FQ86
9	*A-1302-961-A	A BOARD, COMPLETE (F	TV-28FQ86B KV-32FQ86B)		*A-1302-971-A	D BOARD, COMPLETE	KV-32FQ86
	*A-1302-962-A	A BOARD, COMPLETE (F	KV-28FQ86E KV-32FQ86E/K)	18	*4-093-898-11	BRACKET, H	
	*A-1302-972-A	A BOARD, COMPLETE (F	(V-32FQ86U)	19	4-058-870-01	SCREW (4x16) W(+)P	TAPPING
10	8-598-529-10	FRONTEND BTF-EU611	(KV-32FQ86U)	20	1-529-408-11	SPEAKER (4.2x24CM)	
	8-598-533-10	FRONTEND BTF-EC411	KV-28FQ86E,	21	*A-1603-084-A	WOOFER COMPLETE AS	SY 22-23
			KV-32FQ86E/K)	22	1-529-417-11	SPEAKER (8CM)	
	8-598-535-20	FRONTEND BTF-EF411 (	(KV-28FQ86B, KV-32FQ86B)	23	7-685-663-71	SCREW +BVTP 4x16 T	YPE2 IT-3
11	*4-100-801-01	SUPPORTER, J		24	4-093-829-11	REAR COVER (KV-28F	Q86)
12	*A-1405-623-A	J BOARD, COMPLETE	·		4-093-896-31	REAR COVER (KV-32E	(286)
13	*A-1302-965-A	B BOARD, COMPLETE		25	7-685-648-79	SCREW +BVTP 3x12 T	YPE2 IT-3



REF.NO.	PART.NO	DESCRIPTION REMARK	REF.NO.	PART.NO	DESCRIPTION REMARK
51	X-4043-188-1	BEZNET ASSY KV-28FQ86B/E 52-57	65 A	1-424-886-11	COIL, DEGAUSSING (KV-28FQ86)
	X-4043-184-1	BEZNET ASSY KV-32FQ86B/E/K 52-57	Δ	1-424-888-11	COIL, DEGAUSSING (KV-32FQ86)
	X-4041-364-2	BEZNET ASSY KV-32FQ86U 52-57	66	*4-392-534-21	CUSHION, DGC (KV-32FQ86)
52	*4-087-533-01	MULTIBUTTON	67	*4-204-812-02	HOLDER, DGC (25") (KV-28FQ86)
53	4-087-530-01	GUIDE, LIGHT		*4-204-768-02	HOLDER, DGC (29") (KV-32FQ86)
54	4-093-827-01	DOOR (KV-28FQ86)	68 A	1-251-946-11	CAP ASSY, HIGH-VOLTAGE (KV-32FQ86)
	4-093-897-01	DOOR (KV-32FQ86)	Á	1-251-946-21	CAP ASSY, HIGH-VOLTAGE (KV-28FQ86)
55	4-085-507-03	SPRING, DOOR	69	3-704-495-03	SPACER, DY
56	4-087-527-01	POWER BUTTON	70 A	8-735-099-05	PICTURE TUBE (W66LLX060X) KV-28FQ86
57	4-204-426-01	SPRING	Δ	8-735-079-05	PICTURE TUBE (W76LLZ060X) KV-32FQ86
58 ▲	8-451-521-31	DEFLECTION YOKE (Y28RVC3-L2) (KV-28FQ86)	71	4-046-765-12	SCREW, TAPPING 7+CROWN WASHER
Δ	1-451-480-22	DEFLECTION YOKE (Y32RVC2) (KV-32FQ86)	72	4-204-666-01	SHEET, BLOTTING
59	1-419-363-11	COIL, NA ROTATION	73	*4-206-160-01	SUPPORT CRT (KV-28FQ86)
60 A	8-453-011-11	NECK ASSY, (NA299-M)		*4-087-590-03	SUPPORT CRT (KV-32FQ86)
61	*A-1405-620-A	VM BOARD, COMPLETE	74	4-308-870-00	CLIP, LEAD WIRE
62	*A-1405-610-A	C BOARD, COMPLETE	75	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM Ø
63	4-369-318-21	SPRING, TENSION	76	1-452-032-00	MAGNET, DISK; 10MM Ø
64	*4-203-390-11	CUSHION, DGC (KV-28FQ86)	77	X-4387-214-1	PERMALLOY, CORRECTION
	*4-095-593-01	CUSHION, DGC (KV-32FQ86)	78	3-701-007-00	BAND, BINDING

### D2

# SECTION 7 ELECTRICAL PARTS LIST

#### PARTS LISTING TABLE OF CONTENTS

	Pag
Parts common to all models listed in this manual	54
Parts that belong only to the model specified	
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Parts common to all models listed in this manual	56
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	Parts common to all models listed in this manual  Parts that belong only to the model specified  Parts common to all models listed in this manual  Parts that belong only to the model specified  Parts common to all models listed in this manual  Parts that belong only to the model specified

Note: Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items. Parts indicated (XX) on the Schematic Diagram are not used in this model and therefore do not appear in the Parts List.

REF.NO.	PART.NO	DESCRIPTION		REMARK		REF.NO.	PART.NO	DESCRIPTION		REMARK	
	02-547-A D2 B				. ***	C8903	1-107-635-11	ELECT	4.7UF	20.00%	
* A-130	02-549-A D2 Bo	oard Complete	e KV-32F	Q86		C8904	1-137-150-11	FILM	0.01UF	5.00%	100V
						C8905	1-136-205-11	MYLAR	0.022UF	5.00%	630V
D2 Boa	ard Common Pa	arts				C8907	1-126-947-11	ELECT	47UF	20.00%	35V
						C8908	1-216-809-11	METAL CHIP	100	5%	1/100
	3-710-578-01	COVER, VOLUM	-								
	4-382-854-01	SCREW (M3X8)	, P, SW (+)				< CON	NECTOR >			
	< CAPA	CITOR >				CN6800	1-695-915-11	TAB (CONTAC	T)		
acooo	1 100 001 11	CERNITA CHIR	A AA1	10 000	E Att	CN6801	* 1-564-510-11	PLUG, CONNE	CTOR 7P		
C6800	1-162-964-11	CERAMIC CHIP		10.00%		CN6802	1-817-917-11	PIN, CONNEC	TOR 3P		
C6801	1-126-964-11	ELECT	10UF	20.00%		CN6803	* 1-564-510-11	PLUG, CONNE	CTOR 7P		
C6802	1-126-964-11	ELECT	10UF	20.00%		CN6804	1-695-915-11	TAB (CONTAC	T)		
26803	1-126-960-11	ELECT	1UF	20.00%							
C6804	1-162-964-11	CERAMIC CHIP	0.001UF	10.00%	50 <b>V</b>	CN6805	* 1-508-784-00	PIN, CONNEC	TOR (5MM PI	TCH) 1P	
6805	1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V		4 DTO	DE \			
6806	1-117-228-71	MYLAR	2.20F	10.00%	450V		< DIO	7 P			
6807	1-104-662-91	ELECT	22UF	20.00%	25V	D.C000	0 740 000 70	BIANE MARA	m 176 05		
6808	1-126-964-11	ELECT	100F	20.00%	50V	D6800	8-719-069-56	DIODE UDZST			
6809	1-136-813-11	FILM	680PF	5.00%	100V	D6802	8-719-081-97	DIODE MMDL9			
						D6803	8-719-081-97	DIODE MMDL9			
6810	1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V	D6809	8-719-083-94	DIODE FUF40			
6811	1-162-966-11	CERAMIC CHIP	0.0022UF	10.00%		D6814	8-719-063-73	DIODE D1NL2	OU-TR		
6812	1-130-495-00	MYLAR	0.1UF	5.00%							
6813	1-126-947-11	ELECT	47UF	20.00%		D6815	8-719-976-99	DIODE DTZ5.	1B		
6814	1-126-967-11	ELECT	47UF	20.00%		D6816	8-719-081-98	DIODE MM3Z6	V8T1		
70013	1 120 307 11	22501	4104	20.000		D6817	8-719-510-02	DIODE D1NS4			
6815	1-162-115-00	CERAMIC	330PF	10.00%	1 KV	D6818	8-719-082-03	DIODE MM3Z1	5VT1		
6816	1-136-171-00	FILM	0.33UF	5.00%		D6819	8-719-082-03	DIODE MM3Z1	5VT1		
26817	1-136-497-81	FILM	0.1UF	5.00%							
6818	1-162-115-00	CERAMIC	330PF	10.00%		D6820	8-719-081-97	DIODE MMDL9	14T1		
	1-165-953-11	FILM	47000PF	3%	800V	D6821	8-719-083-66	DIODE UDZST	E-1718B		
:6819	1-103-933-11	ETTM	4/00025	36	0004	D6822	8-719-081-97				
	1 126 100 00	WITT S.D.	Λ 1 <del></del>	10 000	05017	D6823	1-535-143-71	LEAD, JUMPE			
16820	1-136-189-00	MYLAR	0.1UF	10.00%		D6824	8-719-081-97	DIODE MMDL9			
6821	1-162-970-11	CERAMIC CHIP		10.00%		20024	0-719-001-97	DIODE REDIS	1411		
6823	1-162-970-11	CERAMIC CHIP		10.00%		DCOOF	0 710 001 07	DIODE MADE	1 4m1		
6824	1-126-963-11	ELECT	4.7UF	20.00%		D6825	8-719-081-97	DIODE MMDL9			
6825	1-126-927-11	ELECT	2200UF	20.00%	107	D6826	8-719-082-00	DIODE MM3Z4			
						D6827	1-216-864-11	SHORT CHIP	0		
6826	1-162-970-11	CERAMIC CHIP		10.00%		D8900	8-719-948-45	DIODE ERA22			
6827	1-115-340-11	CERAMIC CHIP		10.00%		D8901	8-719-991-33	DIODE 18813	3T-77		
6828	1-164-315-11	CERAMIC CHIP		5.00%							
6829	1-126-947-11	ELECT	470F	20.00%	35V		< FER	RITE BEAD >			
6831	1-126-966-11	ELECT	33UF	20.00%	50V						
						FB6800	1-410-397-21	FERRITE	1.1UH		
6832	1-162-966-11	CERAMIC CHIP	0.0022UF	10.00%	50V	FB8900	1-410-397-21	FERRITE	1.1UH		
:6833	1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V						
6834	1-126-964-11	ELECT	10UF	20.00%	50V		< IC	>			
6835	1-165-607-11	FILM	10000PF	3%	V008						
:6836	1-130-495-00	MYLAR	0.1UF	5.00%	50V	IC6800	8-759-586-17	IC TL1431CZ	-AP		
						IC6801	8-759-700-07	IC NJM2903M			
:6837	1-130-471-00	MYLAR	0.001UF	5.00%	50V	IC6802	8-759-670-30	IC MCZ3001D			
6838	1-130-495-00	MYLAR	0.1UF	5.00%		IC6803	8-759-198-31	IC UPC1093J			
6839	1-162-970-11	CERAMIC CHIP		10.00%		1	8-759-796-31	IC NJM2904M			
6840	1-165-319-11	CERAMIC CHIP		_0.000	50V	IC6804	0-103-101-01	IC NUMZ3U4M			
:8900	1-162-129-00	CERAMIC CHIP	150PF	10.00%			< COI	L >			
0001	1 160 101 11	ОРРАНТО	22000	10 000	יזשני				,		
8901	1-162-131-11	CERAMIC	220PF	10.00%		F6800	1-428-950-31	INDUCTOR	125UH		
18902	1-129-898-00	FILM	0.0022UF	5.00%	VUCO	L6801	1-412-520-11	INDUCTOR	3.9UH		



REF.NO.	PART.NO	DESCRIPTION	B	EMARK	REF.NO.	PART.NO	DESCRIPTION	·:	R	EMARK
L6802	1-412-520-11	INDUCTOR	3.9UH		R6829	1-245-494-21	METAL	2.2M	2%	1/4W
L8900	1-406-674-11	INDUCTOR	3.3MH		R6830	1-249-431-11	CARBON	15K	5%	1/4W
					R6832	1-245-494-21	METAL	2.2M	2%	1/4W
	< PHOT	OCOUPLER >			R6833	1-249-377-11	CARBON	0.47	5%	1/4W
					R6834	1-243-979-21	METAL OXIDE	0.1	5%	2W
PH6800	6-600-187-01	PHOTO COUPLE	R PC123Y22J0	OOF	1 313555					
PH6801	6-600-187-01	PHOTO COUPLE			R6835	1-216-821-11	METAL CHIP	1K	5%	1/10W
111000	0 000 201 02	11010 000144		,	R6836	1-216-864-11	SHORT CHIP	0	**	
	< TRAN	SISTOR >			R6837	1-249-419-11	CARBON	1.5K	5%	1/4W
	4 40000				R6838	1-260-095-11	CARBON	470	5%	1/2W
Q6800	8-729-010-29	TRANSISTOR M	SD601-RST1		R6839	1-216-833-11	METAL CHIP	10K	5%	1/10W
Q6801	8-729-010-29	TRANSISTOR M								
Q6802	6-550-526-11		SK2842 (LBS2SC	ONY)	R6840	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
Q6803	6-550-526-11		SK2842 (LBS2SC		R6841	1-218-855-11	METAL CHIP	2.2K	0.5%	1/10W
Q6804	8-729-010-05	TRANSISTOR M	•	···-,	R6842	1-218-857-11	METAL CHIP	2.7K	0.5%	1/10W
2000.	0 120 020 00				R6843	1-216-863-11	METAL CHIP	3.3M	5%	1/10W
Q6806	8-729-421-22	TRANSISTOR U	N2211		R6844	1-218-867-11	METAL CHIP	6.8K		1/10W
Q6807	8-729-010-05	TRANSISTOR M					***************************************	• • • • • • • • • • • • • • • • • • • •		-,
Q6808	8-729-421-22	TRANSISTOR U			R6845	1-218-895-11	METAL CHIP	100K	0.5%	1/10W
Q6809	8-729-010-05	TRANSISTOR M			R6846	1-216-837-11	METAL CHIP	22K	5%	1/10W
Q6810	8-729-010-29	TRANSISTOR M			R6848	1-216-853-11	METAL CHIP	470K	5%	1/10W
20010	0 125 020 25	214410202011			R6849	1-216-834-11	METAL CHIP	12K	5%	1/10W
Q6811	8-729-901-06	TRANSISTOR D	TA144EK		R6852	1-216-809-11	METAL CHIP	100	5%	1/10W
Q6812	8-729-010-05	TRANSISTOR M							••	-,
Q6813	8-729-010-29	TRANSISTOR M			R6853	1-216-833-11	METAL CHIP	10K	5%	1/10W
Q8900	8-729-010-29	TRANSISTOR M			R6854	1-216-849-11	METAL CHIP	220K	5%	1/10W
Q8901	6-550-700-01		TP5NK40Z (033)	<b>(</b> )	R6855	1-216-797-11	METAL CHIP	10	5%	1/10W
2000-				•	R6857	1-216-841-11	METAL CHIP	47K	5%	1/10W
	< RESI	STOR >			R6858	1-216-837-11	METAL CHIP	22K	5%	1/10W
R6800	1-216-837-11	METAL CHIP	22K 5%	1/10W	R6859	1-216-841-11	METAL CHIP	47K	5%	1/10W
R6801	1-216-849-11	METAL CHIP	220K 5%	1/10W	R6860	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6802	1-216-841-11	METAL CHIP	47K 5%	1/10W	R6861	1-215-485-00	METAL	470K	1%	1/4W
R6803	1-216-837-11	METAL CHIP	22K 5%	1/10W	R6862	1-216-841-11	METAL CHIP	47K	5%	1/10W
R6804	1-247-843-11	CARBON	3.3K 5%	1/4W	R6863	1-218-853-11	METAL CHIP	1.8K	0.5%	1/10W
R6805	1-218-875-11	METAL CHIP		1/10W	R6865	1-249-411-11	CARBON	330	5₺	1/4W
R6807	1-218-845-11	METAL CHIP	820 0.5%	1/10W	R6866	1-219-749-51	METAL	10K	5%	1/2W
R6808	1-202-933-61	FUSIBLE	0.1 10%	1/2W	R6867	1-215-485-00	METAL	470K	1%	1/4W
R6809	1-218-874-11	METAL CHIP	13K 0.5%	1/10W	R6869	1-218-865-11	METAL CHIP		0.5%	
R6810	1-218-869-11	METAL CHIP	8.2K 0.5%	1/10W	R6870	1-219-750-91	METAL	22K	5%	1/2W
R6811	1-535-303-00	LEAD, JUMPER	(5.0MM)		R6871	1-216-845-11	METAL CHIP	100K	5%	1/10W
R6812	1-245-478-21	METAL	470K 1%	1/4W	R6873	1-218-887-11	METAL CHIP	47K	0.5%	1/10W
R6813	1-245-478-21	METAL	470K 1%	1/4W	R6874	1-218-895-11	METAL CHIP	100K	0.5%	1/10W
R6814	1-218-912-11	METAL CHIP	510K 0.5%	1/10W	R6875	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6815	1-216-864-11	SHORT CHIP	0		R6877	1-215-433-00	METAL	3.3K	1%	1/4W
R6816	1-218-839-11	METAL CHIP	470 0.5%	1/10W	R6878	1-215-447-00	METAL	12K	1%	1/4W
R6817	1-249-393-11	CARBON	10 5%	1/4W	R6879	1-215-447-00	METAL	12K	1%	1/4W
R6818	1-216-803-11	METAL CHIP	33 5%	1/10W	R6880	1-215-447-00	METAL	12K	1%	1/4W
R6819	1-218-823-11	METAL CHIP		1/10W	R6881	1-215-447-00	METAL	12K	1%	1/4W
R6820	1-216-833-11	METAL CHIP	100 0.5%	1/10W	R6883	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
MOLU	7 570 033 TT	smith Ollie		aj avst		1 110 01/ 11	IMAIN VIII	-41		
R6821	1-216-837-11	METAL CHIP	22K 5%	1/10W	R6884	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6823	1-249-393-11	CARBON	10 5%	1/4W	R8901	1-260-123-11	ÇARBON	100K		1/2W
R6824	1-218-897-11	METAL CHIP	120K 0.5%		R8904	1-249-429-11	CARBON	10K	5%	1/4W
R6825	1-216-833-11	METAL CHIP	10K 5%	1/10W	R8907	1-260-123-11	CARBON	100K		1/2W
R6826	1-216-829-11	METAL CHIP	4.7K 5%	1/10W	R8908	1-260-123-11	CARBON	100K	5%	1/2W

Note: The components identified by shading and marked ∆ are critical for safety. Replace only with the part numbers specified in the parts list.



REF.NO.	PART.NO	DESCRIPTION			REMARK	REF.NO.	PART.NO	DESCRIPTION		REMARK	
R8909	1-260-123-11	CARBON	100K	5%	1/2W	C1107	1-126-933-11	ELECT	100UF	20.00%	16V
R8910	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	C1108	1-162-921-11	CERAMIC CHIP	33PF	5.00%	50V
R8911	1-216-821-11	METAL CHIP	1K	5%	1/10W	C1109	1-162-921-11	CERAMIC CHIP	33PF	5.00%	50V
R8912	1-216-833-11	METAL CHIP	10K	5%	1/10W	C1300	1-162-968-11	CERAMIC CHIP	0.0047UF	10.00%	50V
R8913	1-216-809-11	METAL CHIP	100K	5%	1/10W	C1302	1-216-864-11	SHORT CHIP	0		
٠.	< RESI	STOR VARIABLE >				C1303	1-162-928-11	CERAMIC CHIP	120PF	5.00%	507
						C1304	1-216-864-11	SHORT CHIP	0		
RV6801	1-225-627-91	RES, VAR, AL	J, CER	ÆT 2F		C1307	1-125-891-11	CERAMIC CHIP	0.47UF	10.00%	10V
			•			C2000	1-126-947-11	ELECT	47UF	20.00%	35V
	< SPAF	KK GAP >				C2001	1-164-156-11	CERAMIC CHIP	0.1UF		25V
SG6800	1-517-499-21	GAP, SPARK				C2002	1-126-947-11	ELECT	47UF	20.00%	35V
						C2004	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V
	< TRAM	ISFORMER >				C2005	1-127-715-91	CERAMIC CHIP	0.22UF	10%	16V
						C2006	1-126-947-11	ELECT	47UF	20.00%	35V
T8900	1-437-690-11	TRANSFORMER	FERRIT	E (DE	T)	C2007	1-162-966-11	CERAMIC CHIP	0.0022UF	10.00%	50V
Variant	Parts KV-28F0	286				C2009	1-127-715-91	CERAMIC CHIP	0.22UF	10%	16V
						C2010	1-127-715-91	CERAMIC CHIP	0.22UF	10%	16V
	< RESI	STOR >				C2011	1-162-966-11	CERAMIC CHIP	0.0022UF	10.00%	50V
						C2012	1-162-966-11	CERAMIC CHIP	0.0022UF	10.00%	50V
R8900	1-216-486-21	METAL OXIDE	8.2K	5%	3W	C2013	1-162-966-11	CERAMIC CHIP	0.0022UF	10.00%	50V
R8902	1-216-486-21	METAL OXIDE	8.2K	5%	3W						
R8903	1-243-616-21	METAL OXIDE	6.8K	5%	3W .	C2014	1-127-715-91	CERAMIC CHIP	0.22UF	10%	160
R8905	1-216-486-21	METAL OXIDE	8.2K	5%	3₩	C2016	1-162-927-11	CERAMIC CHIP	100PF	5.00%	50V
8906	1-216-486-21	METAL OXIDE	8.2K	5%	3W	C2017	1-126-964-11	ELECT	10UF	20.00%	50V
						C2018	1-126-964-11	ELECT	10UF	20.00%	
	< TRAN	SFORMER >				C2019	1-126-947-11	ELECT	47UF	20.00%	
T6800 A	1-453-378-21	TRANSFORMER	ASSY FI	YBACK	NX-6020//Z214	C2020	1-126-947-11	ELECT	47UF	20.00%	35V
***************************************						C2021	1-164-156-11	CERAMIC CHIP	0.1UF		25V
Variant	Parts KV-32F0	286		_		C2022	1-126-964-11	ELECT	10UF	20.00%	50V
						C2023	1-164-156-11	CERAMIC CHIP	0.1UF		25V
	< RESI	STOR >				C2024	1-126-964-11	ELECT	10UF	20.00%	50V
R8900	1-243-618-21	METAL OXIDE	10K	5%	3W	C2026	1-164-156-11	CERAMIC CHIP	0.1UF		25V
R8902	1-243-619-21	METAL OXIDE	12K	5%	3W	C2027	1-164-156-11	CERAMIC CHIP	0.1UF		25V
R8903	1-243-619-21	METAL OXIDE	12K	5%	3W	C2028	1-162-906-11	CERAMIC CHIP	1.5PF	0.25PF	50V
R8905	1-243-619-21	METAL OXIDE	12K	5%	3W	C2029	1-162-906-11	CERAMIC CHIP	1.5PF	0.25PF	
R8906	1-243-618-21	METAL OXIDE	10K	5%	3W	C2030	1-127-715-91	CERAMIC CHIP		10%	16V
	< TRAN	SFORMER >				C2031	1-127-715-91	CERAMIC CHIP	0.22UF	10%	16V
-						C2032	1-127-715-91	CERAMIC CHIP		10%	16V
r6800 ∆	1-453-444-21	TRANSFORMER	ASSY FI	YBACK	NX-6020//Z2B4	C2040	1-162-927-11	CERAMIC CHIP	100PF	5.00%	
				****		C2200	1-126-960-11	ELECT	1UF	20.00%	
* <b>A-1</b> 30	2-961-A A Bo	ard Complete	KV-28		6B & V-32FQ86B	C2201	1-164-004-11	CERAMIC CHIP		10.00%	
* <b>A-</b> 130	2-962-A A Bo			FQ8	6E,	C2202	1-126-960-11	ELECT	1UF	20.00%	50V
- L.	OPP TOWNERS				CV32FQ86K	C2202	1-126-963-11	ELECT	4.7UF	20.00%	
* A-130	2-972-A A Bo	ard Complete	KV-32	PQ8	6U	C2203	1-126-960-11	ELECT	1UF	20.00%	
						C2204	1-126-960-11	ELECT	1UF	20.00%	
A Boar	d Common Pa	rts				C2205	1-162-970-11	CERAMIC CHIP		10.00%	
	< CAPA	CITOR >				g2007	1 100 000 44	00011170 0000	A A1225	10.000	05**
						C2207	1-162-970-11	CERAMIC CHIP		10.00%	
C1103	1-162-927-11	CERAMIC CHIP			5.00% 50V	C2300	1-126-935-11	ELECT	470UF	20.00%	
C1104	1-162-927-11	CERAMIC CHIE			5.00% 50V	C2301	1-126-947-11	ELECT	47UF	20.00%	
	1 100 007 11	ELECT	47UF		20.00% 50V	C2302	1-126-947-11	ELECT	47UF	20.00%	35 <b>V</b>
C1105 C1106	1-126-967-11	CERAMIC CHIE			10.00% 50V	C2303	1-126-947-11	ELECT	47UF	20.00%	

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
C2304	1-126-947-11	ELECT 47UF	20.00% 35V	C5202	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2305	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C5203	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2306	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C5204	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2400	1-136-175-00	FILM 0.68UF	5.00% 50V	C5205	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2401	1-165-128-11	CERAMIC CHIP 0.22UF	16V	C5206	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2402	1-163-135-00	CERAMIC CHIP 560PF	5.00% 50V	C5207	1-165-176-11	CERAMIC CHIP 0.047U	7 10.00% 16V
C2403	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V	C5208	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2404	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V	C5209	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2405	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	C5210	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2406	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C5214	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2407	1-164-505-11	CERAMIC CHIP 2.2UF	16V	C5215	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2408	1-126-963-11	ELECT 4.7UF	20.00% 50V	C5217	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2409	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V	C5218	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2410	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C5219	1-126-964-11	ELECT 10UF	20.00% 50V
C2411	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C5403	1-126-941-11	ELECT 470UF	20.00% 25V
C2412	1-126-943-11	ELECT 2200UF	20.00% 25V	C5404	1-102-228-00	CERAMIC 470PF	10.00% 500V
C2413	1-126-943-11	ELECT 2200UF	20.00% 25V	C5405	1-164-156-11	CERAMIC CHIP 0.10F	25V
C2414	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C5406	1-115-416-11	CERAMIC CHIP 0.001U	5.00% 25V
C2500	1-107-914-11	ELECT 1000UF	20.00% 50V	C5407	1-126-941-11	ELECT 470UF	20.00% 25V
C2501	1-107-914-11	ELECT 1000UF	20.00% 50V	C5409	1-126-968-11	ELECT 100UF	20.00% 50V
C2502	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C5410	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2503	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C5411	1-137-401-11	MYLAR 0.22UF	5.00% 100V
C2504	1-126-959-11	ELECT 0.47UF	20.00% 50V	C5412	1-106-220-00	MYLAR 0.1UF	10.00% 100V
C2505	1-107-888-11	ELECT 47UF	20.00% 25V	C5413	1-130-785-11	MYLAR 0.470F	5.00% 100V
C2506	1-107-888-11	ELECT 47UF	20.00% 25V	C6200	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2507	1-126-959-11	ELECT 0.47UF	20.00% 50V	C6203	1-164-156-11	CERAMIC CHIP 0.1UF	257
C2508	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V	C6206	1-104-665-11	ELECT 100UF	20.00% 25V
C2512	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C6208	1-126-767-11	ELECT 1000UF	20.00% 16V
C2513	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C6209	1-104-665-11	ELECT 100UF	20.00% 25V
C2514	1-107-907-11	ELECT 22UF	20.00% 50V	C6217	1-126-767-11	ELECT 1000UF	20.00% 16V
C2603	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C6223	1-136-497-81	FILM 0.10F	5.00% 50V
C2619	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C6226	1-128-942-31	ELECT 1000UF	20% 6.3∀
C5103	1-126-960-11	ELECT 1UF	20.00% 50V	C6229	1-126-935-11	ELECT 470UF	20.00% 16V
C5106	1-126-933-11	ELECT 100UF	20.00% 16V	C6234	1-136-497-81	FILM 0.1UF	5.00% 50V
C5109	1-126-964-11	ELECT 10UF	20.00% 50V	C6235	1-128-550-11	ELECT 2200UF	20.00% 50V
C5110	1-126-947-11	ELECT 47UF	20.00% 35V	C6236	1-128-942-31	ELECT 1000UF	20% 6.3V
C5111	1-126-964-11	ELECT 10UF	20.00% 50V	C6237	1-126-767-11	ELECT 1000UF	20.00% 16V
C5112	1-126-964-11	ELECT 10UF	20.00% 50V	C6238	1-136-497-81	FILM 0.1UF	5.00% 50V
C5116	1-126-964-11	ELECT 10UF	20.00% 50V	C6239	1-104-665-11	ELECT 100UF	20.00% 25V
C5117	1-126-947-11	ELECT 47UF	20.00% 35V	C6240	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C5118	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C6241	1-164-156-11	CERAMIC CHIP 0.1UF	257
C5119	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V	C6242	1-104-665-11	ELECT 100UF	20.00% 25V
C5119	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V	C6243	1-104-665-11	ELECT 100UF	20.00% 25V
C5120	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V	C6244	1-164-156-11	CERAMIC CHIP 0.1UF	25.00% 25V
C5121	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C6245	1-164-156-11	CERAMIC CHIP 0.1UF	25V
05100	1_106 047 11	21 20m 47ma	20.00% 35V	C6246	1-104-665-11	ELECT 100UF	20.00% 25∀
C5123	1-126-947-11	ELECT 47UF		1			
C5124	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C6247	1-104-665-11	ELECT 100UF	20.00% 25V
C5125	1-126-964-11	ELECT 10UF	20.00% 50V	C6248	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C5126	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C6249	1-164-156-11	CERAMIC CHIP 0.1UF	257
C5201	1-126-947-11	ELECT 47UF	20.00% 35V	C6250	1-104-665-11	ELECT 100UF	20.00% 25V

REF.NO.	PART.NO	DESCRIPTION	REMARK		REF.NO.	PART.NO	DESCRIPTION	REMARK
C6251	1-104-665-11	ELECT 100UF	20.00%	25V	D5404	8-719-110-41	DIODE RD15ESB2	
C6252	1-126-963-11	ELECT 4.7UF	20.00%	50V	D5405	8-719-908-03	DIODE GP08D	
C6253	1-164-156-11	CERAMIC CHIP 0.1UF		25V	D6201	8-719-022-97	DIODE D2S4MF	
C6254	1-137-374-11	MYLAR 0.0470	F 5.00%	50V	D6203	8-719-063-70	DIODE D1NL20U	
C6255	1-126-935-11	ELECT 470UF	20.00%		D6204	8-719-063-70	DIODE D1NL20U	
C6256	1-126-947-11	ELECT 47UF	20.00%	35V	D6205	8-719-050-38	DIODE M1MA152WK-T1	
00200			201000		D6206	8-719-081-97	DIODE MMDL914T1	
	< COM	ECTOR >			D6207	8-719-081-97	DIODE MMDL914T1	
					D6208	8-719-081-97	DIODE MMDL914T1	
CN0002	* 1-564-507-11	PLUG, CONNECTOR 4P			D6209	8-719-081-97	DIODE MMDL914T1	
CN2300	* 1-564-510-11	PLUG, CONNECTOR 7P						
CN2301	* 1-564-509-11	PLUG, CONNECTOR &P			D6210	8-719-110-41	DIODE RD15ESB2	
CN2302	* 1-816-979-51	PLUG, CONNECTOR 8P			D6211	8-719-080-59	DIODE EK19-VO	
CN2400	* 1-816-974-51	PLUG, CONNECTOR 3P			D6213	8-719-022-97	DIODE D2S4MF	
0012 100	2 020 771 02	2200) 000000000000000000000000000000000			D6214	8-719-056-84	DIODE UDZ-TE-17-7.5E	
CN2501	* 1-564-507-11	PLUG, CONNECTOR 4P						
CN3000	* 1-564-510-11	PLUG, CONNECTOR 7P	•			< FER	RITE BEAD >	•
CN3001	1-691-773-11	PLUG (MICRO CONNECT	(OR) 11P					
CN3002	* 1-817-115-11	CONNECTOR, BOARD TO			FB2400	1-535-303-00	LEAD, JUMPER (5.0MM)	
CN3004	* 1-816-974-51	PLUG, CONNECTOR 3P	7 301110 301		FB2401	1-535-303-00	LEAD, JUMPER (5.0MM)	
50000	2 220 314-27	rave, connector de			FB6201	1-535-303-00	LEAD, JUMPER (5.0MM)	
CN3008	1-691-775-11	PLUG (MICRO CONNECT	TOR) 13P		FB6204	1-535-303-00	LEAD, JUMPER (5.0MM)	
CN5000	* 1-818-034-11	DIN CONNECTOR PLUG			250204	1 333 303 00	mand, contant (5.00m)	
CN5207	* 1-564-520-11	PLUG, CONNECTOR 5P	302			< IC :		
CN6200	* 1-816-977-51	PLUG, CONNECTOR 6P				120		
CN6201	* 1-564-510-11	PLUG, CONNECTOR 7P			IC2000	6-701-031-11	IC MSP3411G-OA-B11	
CMOZUI	1-204-210-11	FEOG, CONSECTOR IF			IC2200	8-759-100-96	IC UPC4558G2	
CN6202	* 1-564-510-11	PLUG, CONNECTOR 7P			IC2300	8-759-576-76	IC TDA2822D013TR	
CN6202	1-695-915-11	TAB (CONTACT)			IC2400	8-759-544-25	IC TDA7482	
CN6900	* 1-564-510-11	PLUG, CONNECTOR 7P			IC2500	6-704-807-01	IC TDA7269	
	/ DIA				IC5102	8-759-325-48	IC CA0005AD	
	< DIO	1E /			IC5102	8-759-803-42	IC LA6500-FA	
D2002	8-719-081-97	DIODE MMDL914T1			IC5400	8-759-696-71	IC STV9379A	
D2002					IC6200	8-759-648-20	IC L7805CV/LSY	
D2200	8-719-929-15	DIODE HZS9.1NB2						
D2201	8-719-929-15	DIODE HZS9.1NB2			IC6202	8-759-640-19	IC PQ1CG2032FZ	
D2202	8-719-050-38	DIODE M1MA152WK-T1 DIODE M1MA152WK-T1			T06204	0_750_640_10	TO 1700001/10V	
D2500	8-719-050-38	DIODE MIMAISZWK-II			IC6204	8-759-648-19 8-759-640-19	IC L7809CV/LSY	
DE100	0 710 001 07	DIODE MODI 01 4m1			IC6207		IC PQ1CG2032FZ	
D5100	8-719-081-97	DIODE MMDL914T1			IC6210	8-759-445-59 6-701-848-01	IC BA033T	
D5103	8-719-110-86	DIODE RD39ESB			IC6211		IC KF25BDT	
D5104	8-719-976-99 8-719-081-97	DIODE DIZ5.1B			IC6212	8-759-474-09	IC SI-8050S-LF1101	
D5200		DIODE MMDL914T1				2 000	Z DM	
D5201	8-719-081-98	DIODE MM3Z6V8T1				< SOC	NET >	
D5202	8-719-081-97	DIODE MMDL914T1			J2200	1-784-632-11	JACK, PIN 2P	
D5203	8-719-081-97	DIODE MMDL914T1						
D5204	8-719-081-97	DIODE MMDL914T1				< COI	г >	
D5205	8-719-081-97	DIODE MMDL914T1						
D5206	8-719-081-97	DIODE MMDL914T1			L1100	1-414-760-21	FERRITE OUH	
					L1101	1-414-760-21	FERRITE OUH	
D5207	8-719-081-97	DIODE MMDL914T1			L1102	1-408-615-31	INDUCTOR 100UH	
D5208	8-719-081-97	DIODE MMDL914T1			L1103	1-408-603-31	INDUCTOR 10UH	
D5209	8-719-081-97	DIODE MMDL914T1			L1104	1-412-979-21	INDUCTOR 1UH	
D5210	8-719-081-97	DIODE MMDL914T1						
D5211	8-719-081-97	DIODE MMDL914T1			L1300	1-535-303-00	LEAD, JUMPER (5.0MM	)
	-				L1301	1-408-602-31	INDUCTOR 8.2UH	
					TITOUT	1-400-002-31	INDOCTOR 0.2011	

Α

BEE 110	D L DT UA	RECORIDITION:	DE114 DI/	DEE NO	DART NO	DECORPTION	REMARK			REF.NO.	PART.NO	DESCRIPTION		REMARK	REF.NO.	PART.NO	DESCRIPTION		REMARK
REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	NEWANN							REWARK				00* 50	
L2001	1-414-928-21	INDUCTOR 1UH		Q5204	8-729-010-05	TRANSISTOR MSB709-RT1				R1100	1-216-864-11	SHORT CHIP	0.		R2307	1-216-837-11	METAL CHIP	22K 5%	
L2011	1-414-928-21	INDUCTOR 1UH		Q5205	8-729-010-29	TRANSISTOR MSD601-RST1			-	R1102	1-216-864-11	SHORT CHIP	0		R2308	1-216-825-11	METAL CHIP	2.2K 5%	
L2400	1-406-977-21	INDUCTOR 100UH		Q5206	8-729-010-05	TRANSISTOR MSB709-RT1				R1103	1-216-864-11	SHORT CHIP	0	•	R2309	1-216-825-11	METAL CHIP	2.2K 5%	•
L2401	1-535-303-00	LEAD, JUMPER (5.0MM)	•	Q5207	8-729-010-29	TRANSISTOR MSD601-RST1				R1105	1-216-864-11	SHORT CHIP	0		R2310	1-249-389-11	CARBON	4.7 5%	
L2402	1-535-303-00	LEAD, JUMPER (5.0MM)		Q5208	8-729-010-29	TRANSISTOR MSD601-RST1				R1106	1-216-864-11	SHORT CHIP	. 0		R2311	1-216-809-11	METAL CHIP	100 5%	_ 1/10W
L2500	1-535-303-00	LEAD, JUMPER (5.0MM)	)	Q5209	8-729-010-29	TRANSISTOR MSD601-RST1				R1108	1-216-864-11	SHORT CHIP	0		R2312	1-249-389-11	CARBON	4.7 5%	-
L2501	1-535-303-00	LEAD, JUMPER (5.0MM)	)	Q5210	8-729-010-29	TRANSISTOR MSD601-RST1				R1110	1-216-836-11	METAL CHIP	18K 5%	1/10W	R2313	1-216-813-11	METAL CHIP	220 5%	
L5400	1-412-525-31	INDUCTOR 10UH		Q5211	8-729-010-29	TRANSISTOR MSD601-RST1				R1111	1-216-821-11	METAL CHIP	1K 5%	1/10W	R2314	1-216-809-11	METAL CHIP	100 5%	
L5401	1-535-303-00	LEAD, JUMPER (5.0MM)	)	Q5404	8-729-926-76	TRANSISTOR IRF620				R1300	1-216-821-11	METAL CHIP	1K 5%	1/10W	R2315	1-216-813-11	METAL CHIP	220 5%	1/10W
L5402	1-535-303-00	LEAD, JUMPER (5.0MM)	)	Q6201	8-729-010-29	TRANSISTOR MSD601~RST1				R1303	1-216-805-11	METAL CHIP	47 5%	1/10W	R2316	1-216-809-11	METAL CHIP	100 5%	1/10W
L6203	1-419-743-12	INDUCTOR 100UH		Q6202	8-729-010-05	TRANSISTOR MSB709-RT1				R1304	1-216-821-11	METAL CHIP	1K 5%	1/10W	R2317	1-216-809-11	METAL CHIP	100 5%	1/10W
L6207	1-412-525-31	INDUCTOR 10UH		Q6203	8-729-010-29	TRANSISTOR MSD601-RST1			-	R2000	1-414-760-21	FERRITE	OUH .		R2400	1-249-422-11	CARBON	2.7K 5%	1/4W
L6210	1-535-303-00	LEAD, JUMPER (5.0MM)	)	Q6204	8-729-010-05	TRANSISTOR MSB709-RT1				R2001	1-414-760-21	FERRITE	OUH		R2401	1-216-817-11	METAL CHIP	470 5%	1/10W
L6211	1-535-303-00	LEAD, JUMPER (5.0MM)	)	Q6205	8-729-010-05	TRANSISTOR MSB709-RT1			-	R2002	1-216-845-11	METAL CHIP	100K 5%	1/10W	R2402	1-218-827-11	METAL CHIP	150 0.3	5% 1/10W
L6213	1-412-539-11	INDUCTOR 150UH		Q6206	8-729-010-29	TRANSISTOR MSD601-RST1				R2003	1-216-864-11	SHORT CHIP	0		R2403	1-216-833-11	METAL CHIP	10K 5%	1/10W
L6218	1-419-743-12	INDUCTOR 100UH		Q6207	8-729-010-29	TRANSISTOR MSD601-RST1				R2004	1-216-864-11	SHORT CHIP	0		R2404	1-216-821-11	METAL CHIP	1K 5%	1/10W
L6219	1-406-971-11	INDUCTOR 10UH		Q6208	8-729-010-29	TRANSISTOR MSD601-RST1				R2005	1-216-829-11	METAL CHIP	4.7K 5%	1/10W	R2405	1-216-838-11	METAL CHIP	27K 5%	1/10W
HOZIS	1 400 3/1 11	THEOCION 100H		Q6209	8-729-010-29	TRANSISTOR MSD601-RST1				R2006	1-216-829-11	METAL CHIP	4.7K 5%		R2406	1-216-841-11	METAL CHIP	47K 5%	1/10W
	< PRO	TECTOR MODULE >	•							R2007	1-216-829-11	METAL CHIP	4.7K 5%		R2407	1-216-833-11	METAL CHIP	10K 5%	1/10W
		IBOION MODULE >			< RESI	STOR >				R2008	1-216-829-11	METAL CHIP	4.7K 5%	•	R2409	1-216-864-11	SHORT CHIP	0	
PS2000	△ 1-801-549-21	IC LINK 4A OV	12																
10000	△ 1-801-549-21	IC LINK 4A OV	**************************************	JR3001	1-216-864-11	SHORT CHIP 0				R2022	1-216-845-11	METAL CHIP	100K 5%	1/10W	R2410	1-216-864-11	SHORT CHIP	0	
1,000,000,000				JR3003	1-216-864-11	SHORT CHIP 0				R2025	1-216-864-11	SHORT CHIP	0		R2500	1-216-089-91	RES-CHIP	47K 5%	1/10W
	< TRA	NSISTOR >		JR3004	1-216-864-11	SHORT CHIP 0				R2026	1-216-809-11	METAL CHIP	100 5%	1/10W	R2501	1-216-049-11	RES-CHIP	1K 5%	1/10W
				JR3006	1-216-864-11	SHORT CHIP 0				R2029	1-216-864-11	SHORT CHIP	0		R2502	1-216-049-11	RES-CHIP	1K 5%	1/10W
Q0100	8-729-028-28	TRANSISTOR 2SK2036(T	E85L)	JR3010	1-216-864-11	SHORT CHIP 0				R2030	1-216-864-11	SHORT CHIP	0		R2503	1-216-049-11	RES-CHIP	1K 5%	1/10W
Q0200	8-729-028-28	TRANSISTOR 2SK2036(T	E85L)		1 010 001 11	ANADE ANTO													
Q0201	8-729-028-28	TRANSISTOR 2SK2036(T	E85L)	JR6001	1-216-864-11	SHORT CHIP 0				R2200	1-216-837-11	METAL CHIP	22K 5%	1/10W	R2504	1-216-089-91	RES-CHIP	47K 5%	1/10W
Q1100	8-729-010-29	TRANSISTOR MSD601-RS	T1	JR6002	1-216-864-11	SHORT CHIP 0				R2201	1-216-833-11	METAL CHIP	10K 5%	1/10W	R2505	1-216-049-11	RES-CHIP	1K 5%	1/10W
Q1300	8-729-010-29	TRANSISTOR MSD601-RS	T1	JR6003	1-216-864-11	SHORT CHIP 0				R2202	1-216-837-11	METAL CHIP	22K 5%	1/10W	R2506	1-216-079-00	RES-CHIP	18K 5%	1/10W
-				JR6004 JR6005	1-216-864-11 1-216-864-11	SHORT CHIP 0 SHORT CHIP 0				R2203	1-216-839-11	METAL CHIP	33K 5%	1/10W	R2507	1-216-079-00	RES-CHIP	18K 5%	1/10W
Q1301	8-729-010-05	TRANSISTOR MSB709-RT	1	DKOUUS	1-210-004-11	SHOKI CHIP U				R2204	1-216-839-11	METAL CHIP	33K 5%	1/10W	R2508	1-216-809-11	METAL CHIP	100 5%	1/10W
Q2000	8-729-010-29	TRANSISTOR MSD601-RS	T1	JR6006	1-216-864-11	SHORT CHIP 0													*
Q2200	8-729-010-05	TRANSISTOR MSB709-RT	1	JR6007	1-216-864-11	SHORT CHIP 0				R2205	1-216-833-11	METAL CHIP	10K 5%		R2509	1-216-825-11	METAL CHIP	2.2K 5%	
Q2201	8-729-010-29	TRANSISTOR MSD601-RS	T1	JR6008	1-216-864-11	SHORT CHIP 0				R2206	1-216-829-11	METAL CHIP	4.7K 5%		R2511	1-216-837-11	METAL CHIP	22K 5%	1/10W
Q2202	8-729-010-29	TRANSISTOR MSD601-RS	T1	JR6009	1-216-864-11	SHORT CHIP 0				R2207	1-216-829-11	METAL CHIP	4.7K 5%	1/10W	R2512	1-216-835-11	METAL CHIP	15K 5%	
				JR6013	1-216-864-11	SHORT CHIP 0				R2208	1-216-821-11	METAL CHIP	1K 5%		R2514	1-216-826-11	METAL CHIP	2.7K 5%	•
Q2300	8-729-010-05	TRANSISTOR MSB709-RT	1	02.0025						R2209	1-216-821-11	METAL CHIP	1K 5%	1/10W	R2515	1-216-833-11	METAL CHIP	10K 5%	1/10W
Q2301	8-729-010-29	TRANSISTOR MSD601-RS	T1	JR6023	1-216-864-11	SHORT CHIP 0													5
Q2302	8-729-010-29	TRANSISTOR MSD601-RS	T1	JR6025	1-216-864-11	SHORT CHIP 0				R2211	1-216-825-11	METAL CHIP	2.2K 5%		R2516	1-216-845-11	METAL CHIP	100K 5%	1/10W
Q2400	8-729-010-05	TRANSISTOR MSB709-RT	1	JR6027	1-216-864-11	SHORT CHIP 0				R2213	1-216-821-11	METAL CHIP	1K 5%		R2517	1-216-864-11	SHORT CHIP	0	e te es
Q2401	8-729-010-29	TRANSISTOR MSD601-RS	T1	JR8002	1-216-864-11	SHORT CHIP 0				R2214	1-216-817-11	METAL CHIP	470 5%		R2518	1-216-081-00	RES-CHIP	22K 5%	
				JR8003	1-216-864-11	SHORT CHIP 0				R2216	1-216-825-11	METAL CHIP			R2519	1-216-845-11	METAL CHIP	100K 5%	
Q2500	8-729-010-29	TRANSISTOR MSD601-RS	T1					-		R2217	1-216-817-11	METAL CHIP	470 5%	1/10W	R2520	1-216-845-11	METAL CHIP	100K 5%	1/10W
Q2501	8-729-010-29	TRANSISTOR MSD601-RS	T1	R0001	1-216-864-11	SHORT CHIP 0													
Q2502	8-729-010-29	TRANSISTOR MSD601-RS	T1	R0100	1-216-833-11	METAL CHIP 10K 5%	1/10W			R2218	1-216-825-11	METAL CHIP	2.2K 5%	1/10W	R2521	1-243-826-21	METAL OXIDE		
Q2503	8-729-010-29	TRANSISTOR MSD 601-RS	T1	R0102	1-216-825-11	METAL CHIP 2.2K 5%	1/10W			R2220	1-216-864-11	SHORT CHIP	0		R2522	1-243-826-21	METAL OXIDE		
Q2504	8-729-027-38	TRANSISTOR DTA144EKA	-T146	R0103	1-216-833-11	METAL CHIP 10K 5%				R2221	1-216-864-11	SHORT CHIP	0 -		R2523	1-216-841-11	METAL CHIP	47K 5%	1/10W
				R0200	1-216-827-11	METAL CHIP 3.3K 5%				R2300	1-216-821-11	METAL CHIP		1/10W	R2524	1-216-864-11	SHORT CHIP	0	
Q5100	8-729-010-05	TRANSISTOR MSB709-RT	1.							R2301	1-216-821-11	METAL CHIP	1K 5%	1/10W	R2525	1-216-821-11	METAL CHIP	1K 5%	1/10W
Q5101	8-729-010-29	TRANSISTOR MSD601-RS	T1	R0201	1-216-827-11	METAL CHIP 3.3K 5%	1/10W												
Q5200	8-729-010-05	TRANSISTOR MSB709-RT	1	. R0202	1-216-825-11	METAL CHIP 2.2K 5%	1/10W			R2302	1-216-805-11	METAL CHIP			R2526	1-216-825-11	METAL CHIP	2.2K 5%	
Q5201	8-729-010-29	TRANSISTOR MSD601-RS	T1	R0204	1-216-833-11	METAL CHIP 10K 5%	1/10W			R2303	1-216-805-11	METAL CHIP		1/10W	R5102	1-218-879-11	METAL CHIP	22K 0.5	
Q5202	8-729-010-05	TRANSISTOR MSB709-RT		R0205	1-216-825-11	METAL CHIP 2.2K 5%				R2304	1-216-821-11	METAL CHIP		1/10W	R5103	1-218-833-11	METAL CHIP	270 0.5	
				R0207	1-216-833-11	METAL CHIP 10K 5%		-		R2305	1-216-821-11	METAL CHIP		1/10W	R5107	1-218-879-11	METAL CHIP	22K 0.5	
Q5203	8-729-010-29	TRANSISTOR MSD601-RS	T1							R2306	1-216-837-11	METAL CHIP	22K 5%	1/10W	R5111	1-216-837-11	METAL CHIP	22K 5%	1/10W

- 60 -



PART.NO DESCRIPTION REMARK REF.NO. PART.NO DESCRIPTION REMARK REF.NO. R5231 METAL CHIP 1.5K 5% 1/10W 15K 5% 1/10W 1-216-823-11 R5112 1-216-835-11 METAL CHIP 10K 5% 1/10W R5118 1-249-411-11 CARBON 330 5% 1/4W R5232 1-216-833-11 METAL CHIP 1-216-844-11 82K 5% R5233 1-216-829-11 METAL CHIP 4.7K 5% R5119 METAL CHIP 1/10W 1-216-829-11 R5122 1-216-821-11 METAL CHIP 1K 5% 1/10W R5234 METAL CHIP 4.7K 5% 1/10\ 1-216-836-11 R5235 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R5125 METAL CHIP 18K 5% 1/10W R5126 1-249-406-11 CARBON 120 5% 1/4W R5236 1-216-829-11 METAL CHIP 4.7K 5% 1/10W 1-216-841-11 METAL CHIP 47K 5% 1/10W R5237 1-216-829-11 METAL CHIP 4.7K 5% R5127 R5239 R5141 1-216-833-11 METAL CHIP 10K 5% 1/10W 1-216-833-11 METAL CHIP 10K 5% 1/10W R5240 1-216-829-11 METAL CHIP 10K 5% 1/10W METAL CHIP 4.7K 5% 1/10W R5143 1-216-833-11 R5241 1-216-833-11 1/10W 1-216-821-11 METAL CHIP 1K 5% 1/10W METAL CHIP 10K 5% R5144 R5145 1-216-809-11 METAL CHIP 100 5% 1/10W R5242 1-216-826-11 METAL CHIP 2.7K 5% 1/10W R5146 1-216-809-11 METAL CHIP 100 5% 1/10W R5243 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R5148 1-216-809-11 METAL CHIP 100 5% 1/10W R5244 1-216-825-11 METAL CHIP 2.2K 5% 1/10W R5245 1-216-829-11 1-218-833-11 METAL CHIP 270 0.5% 1/10W METAL CHIP 4.7K 5% 1/10W R5149 R5246 1-218-867-11 METAL CHIP 6.8K 0.5% 1/10W 1-249-414-11 CARBON 560 5% 1/4W R5150 R5151 1-249-454-11 CARBON 3.9 5% 1/4W R5247 1-216-829-11 METAL CHIP 4.7K 5% R5152 1-249-413-11 CARBON 470 5% 1/4W R5248 1-216-829-11 METAL CHIP 4.7K 5% R5249 1-216-825-11 1/10W R5153 1-249-393-11 CARBON 10 5% 1/4W METAL CHIP 2.2K 5% 1-216-853-11 METAL CHIP 470K 5% 1/10W R5250 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R5154 R5251 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R5155 1-249-421-11 CARBON 2.2K 5% 1/4W 1-216-837-11 R5252 1-216-825-11 METAL CHIP 2.2K 5% R5156 METAL CHIP 22K 5% 1/10W 1/10W 1-216-829-11 R5157 1-218-867-11 METAL CHIP 6.8K 0.5% 1/10W R5253 METAL CHIP 4.7K 5% 1/10W R5254 1-216-825-11 1/10W R5158 1-216-843-11 METAL CHIP 68K 5% 1/10W METAL CHIP 2.2K 5% R5255 1-216-829-11 1/10W R5201 1-216-809-11 METAL CHIP 100 5% 1/10W METAL CHIP 4.7K 5% R5256 1-216-825-11 R5203 1-216-864-11 SHORT CHIP 0 METAL CHIP 2.2K 5% 1/10% R5204 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R5408 1-216-845-11 METAL CHIP 100K 5% 1/10W R5205 R5409 1-218-863-11 METAL CHIP 4.7K 0.5% 1/10W 1-216-829-11 METAL CHIP 4.7K 5% 1/10W METAL CHIP R5410 1-218-859-11 R5206 1-216-829-11 4.7K 5% 1/10W METAL CHIP 3.3K 0.5% 1/10W R5411 1-216-827-11 R5207 1-216-829-11 METAL CHIP 4.7K 5% 1/10W METAL CHIP 3.3K 5% 1/10W R5209 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R5413 1-218-863-11 METAL CHIP 4.7K 0.5% 1/10W R5210 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R5414 1-249-383-11 CARBON 1.5 5% 1/4W R5212 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R5415 1-249-389-11 CARBON 4.7 5% 1/4W R5416 1-216-829-11 METAL CHIP 4.7K 5% 1/10W 1-243-568-21 METAL OXIDE 220 5% R5213 2₩ R5214 1-216-829-11 METAL CHIP 4.7K 5% R5417 1-218-859-11 METAL CHIP 3.3K 0.5% 1/10W R5420 1-214-798-21 1.8 1% 1/2W R5215 1-216-829-11 METAL CHIP 4.7K 5% 1/10W METAL R5216 R5421 1-214-798-21 1-216-829-11 METAL CHIP 4.7K 5% 1/10W METAL 1.8 1% 1/2W R5217 1-216-823-11 METAL CHIP 1.5K 5% 1/10W R6203 1-218-859-11 METAL CHIP 3.3K 0.5% 1/10W R5218 1-216-833-11 METAL CHIP 10K 5% 1/10W R6206 1-218-847-11 METAL CHIP 1K 0.5% 1/10W 1-216-864-11 SHORT CHIP 0 R5219 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R6209 R5220 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R6211 1-218-860-11 METAL CHIP 3.6K 0.5% 1/10W R5221 1-216-823-11 METAL CHIP 1.5K 5% 1/10W R6213 1-535-303-00 LEAD, JUMPER (5.0MM) R5222 1-216-833-11 METAL CHIP 10K 5% R6214 1-216-864-11 SHORT CHIP 0 R5223 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R6215 1-216-833-11 METAL CHIP 10K 5% 1/10W R6216 1-216-821-11 5% 1/10W R5224 1-216-829-11 METAL CHIP 4.7K 5% 1/10W METAL CHIP 1K R6217 1-216-821-11 R5225 1-216-823-11 METAL CHIP 1.5K 5% 1/10W METAL CHIP 1K 5% 1/10W R5226 1-216-833-11 METAL CHIP 10K 5% R6218 1-216-821-11 METAL CHIP 1K 5% 1-216-829-11 R6219 1-216-841-11 47K 5% R5227 METAL CHIP 4.7K 5% 1/10W METAL CHIP 1/10W R5228 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R6220 1-216-833-11 METAL CHIP 10K 5% 1/10W R6221 1-216-833-11 METAL CHIP 10K 5% 1/10W R5229 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R6222 1-216-829-11 1-216-864-11 SHORT CHIP 0

Note: The components identified by shading and marked A are critical for safety. Replace only with the part numbers specified in the parts list.

< TUNER >

FRONTEND BTF-EU611

8-598-529-10

TU1100





REF.NO.	PART.NO	DESCRIPTION		R	EMARK	REF.NO.	PART.NO	DESCRIPTION		REMARK	
R6223	1-216-846-11	METAL CHIP	120K	5%	1/10W	* A-130	2-963-A G B	oard Complete		·	
R6224	1-218-877-11	METAL CHIP	18K	0.5%	1/10W						
R6225	1-218-871-11	METAL CHIP	10K	0.5%	1/10W		4-382-854-01	SCREW (M3X8)	, P, SW (+)		
R6226	1-216-833-11	METAL CHIP	10K	5%	1/10W	-					
R6227	1-218-899-11	METAL CHIP	150K	0.5%	1/16W		< CA	PACITOR >			
R6228	1-216-833-11	METAL CHIP	10K	5%	1/10W	C6001 A	1-165-528-11	MYLAR	0.1UF	10	275V
R6229	1-216-845-11	METAL CHIP	100K	5%	1/10W	C6002 A		MYLAR	0.1UF	10	2757
R6230	1-216-845-11	METAL CHIP	100K	5%	1/10W	C6003 A		CERAMIC	2200PF	20.00%	
R6231	1-218-879-11	METAL CHIP	22K	0.5%	1/10W	C6004 A		CERAMIC	2200PF	20.00%	
R6232	1-216-864-11	SHORT CHIP	0			C6005	1-126-965-91	ELECT	22UF	20.00%	50V
R6238	1-216-864-11	SHORT CHIP	0			C6006	1-117-753-11	ELECT (BLOCK)	470UF	20.00%	
R6244	1-218-847-11	METAL CHIP	1K	0.5%	1/10W	C6007	1-126-964-11	ELECT	10UF	20.00%	
R6246	1-218-839-11	METAL CHIP	470	0.5%	1/10W	C6008	1-126-963-11	ELECT	4.7UF	20.00%	
R6247	1-216-864-11	SHORT CHIP	0			C6010	1-136-497-81	FILM	0.1UF	5.00%	50V
R6248	1-216-841-11	METAL CHIP	47K	5%	1/10W	C6011	1-162-964-11	CERAMIC CHIP	0.001UF	10.00%	50V
R6249	1-216-841-11	METAL CHIP	47K	5%	1/10W	C6012 A	1-104-571-91	CERAMIC	0.0015UF	10.00%	2KV
R6250	1-216-841-11	METAL CHIP	47K	5%	1/10W	C6013 Z	1-104-571-91	CERAMIC	0.0015UF	10.00%	C20010-10010-1000-000-000-000-000-000-000
R8005	1-216-809-11	METAL CHIP	100	5%	1/10W	C6015	1-115-339-11	CERAMIC CHIP	0.1UF	10.00%	
R8007	1-216-809-11	METAL CHIP	100	5%	1/10W	C6016 A		CERAMIC	0.0015UF	10.00%	
R8008	1-216-809-11	METAL CHIP	100	5%	1/10W	C6017 A	1-104-571-91	CERAMIC	0.0015UF	10.00%	2KV
R8009	1-216-809-11	METAL CHIP	100	5%	1/10W	C6018	1-126-949-11	ELECT	220UF	20.00%	35V
R8010	1-216-809-11	METAL CHIP	100	5%	1/10W	C6019	1-162-968-11	CERAMIC CHIP		10.00%	
R8011	1-216-809-11	METAL CHIP	100	5%	1/10W	C6020	1-100-311-11	FILM	22000PF	3%	800A
R8012	1-216-809-11	METAL CHIP	100	5%	1/10W	C6021	1-164-625-11	CERAMIC	680PF	10.00%	
R8013	1-216-809-11	METAL CHIP	100	5%	1/10W	C6022	1-126-963-11	ELECT	4.7UF	20.00%	50V
R8014	1-216-809-11	METAL CHIP	100	5%	1/10W	C6023	1-110-626-11	ELECT	330UF	20.00%	
R8015	1-216-809-11	METAL CHIP	100	5%	1/10W	C6028	1-128-548-11	ELECT	4700UF	20.00%	
R8016	1-216-809-11	METAL CHIP	100	5%	1/10W	C6029	1-126-939-11	ELECT	10000UF	20.00%	
R8017	1-216-809-11	METAL CHIP	100	5%	1/10W	C6030	1-126-944-11	ELECT	3300UF	20.00%	25V
	< CRYS	MAT N				C6031	1-126-944-11	ELECT	3300UF	20.00%	25V
	< CRIS	DIAL >				C6032 A	1-113-927-11	CERAMIC	0.01UF		250V
(2000	1-760-628-11	VIBRATOR, CR	YSTAL			C6033	1-162-964-11	CERAMIC CHIP		10.00%	
						C6034	1-126-949-11	ELECT	220UF	20.00%	
A Boar	d Variant Parts	KV28FQ86B,	KV-32	2FQ8	6B ——	C6035	1-136-497-81	FILM	0.1UF	5.00%	
	< TUNE	7P >				C6036	1-136-479-11	FILM	0.001UF	5.00%	100V
	< 10NE	201 /				C6037	1-126-947-11	ELECT	47UF	20.00%	35V
TU1100	8-598-535-20	FRONTEND BTF	-EF411			C6038	1-164-625-11	CERAMIC	680PF	10.00%	500V
						C6039	1-125-891-11	CERAMIC CHIP	0.47UF	10.00%	10V
A Boar	d Variant Parts	KV28FQ86E,	KV-32	FQ86	SE/K	C6040	1-127-715-91	CERAMIC CHIP	0.22UF	10%	16V
	< TUNE	2D >				C6042	1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V
	TUNE					C6043	1-125-891-11	CERAMIC CHIP	0.47UF	10.00%	10V
PU1100	8-598-533-10	FRONTEND BTF	-EC411			C6045	1-115-339-11	CERAMIC CHIP	0.1UF	10.00%	50V
						C6103	1-119-940-51	ELECT	4700UF	20.00%	50V
A Boar	d Variant Parts	KV-32FQ86U						NNECTOR >			

CN6004	<u>A</u> *	1-691-960-11	PIN, CONNECTOR (PC BOARD) 3P
		1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P
		1-691-291-11 1-508-786-00	PIN, CONNECTOR (PC BOARD) 5P PIN, CONNECTOR (5MM PITCH) 2P

METAL CHIP 4.7K 5% 1/10W

R5230

Note: The components identified by shading and marked ∆ are critical for safety. Replace only with the part numbers specified in the parts list.



1-11-1-11-11   PID, COMMETCRS 2	REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION		RE	MARK
\$\frac{1}{0012} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	CN6006	* 1-564-510-11	PLUG, CONNECTOR 7P			< TRANS	SISTOR >			
Color	N6007	1-817-917-11	PIN, CONNECTOR 3P							
CDIODE     CDIODE     CDIODE SITHAGOL   A   CDIODE SITHAGOL   A	M6008	* 1-816-977-51	PLUG, CONNECTOR 6P		Q6003	8-729-010-29	TRANSISTOR M	SD601-RST	ľ1	
Color   Colo	N6012	* 1-564-510-11	PLUG, CONNECTOR 7P		Q6005	8-729-901-06	TRANSISTOR D	ra144ek		
					Q6006	6-550-698-01	TRANSISTOR S	PAOSN50C3	3-E81	52
		< DIO	DE >		06007	6-550-698-01	TRANSISTOR S	PA08N50C3	3-E81	52
001					-	8-729-010-29	TRANSISTOR M	SD601-RST	r1	
002 8-719-082-26 DICOE MEZI-JSB   Q6102 8-729-010-29 TRANSISTOR MSD601-RST   003 8-719-081-97 DICOE MSD51401   CRESISTOR   003 8-719-081-97 DICOE MSD51401   CRESISTOR   003 8-719-110-41 DICOE MSD51401   JR6007 1-216-864-11 SHORT CHIP 0   004 8-719-110-41 DICOE MSD518ER2   B6003 A 1-202-933-61 NISIBLE 0.1 104 1/2w   005 8-719-10-10-10 DICOE BISSER2   B6003 A 1-202-933-61 NISIBLE 0.1 104 1/2w   006 8-719-10-10-10 DICOE BISSER2   B6003 A 1-202-933-61 NISIBLE 0.1 104 1/2w   007 8-719-062-90 DICOE DILAI-PB   B6004 A 1-203-984-11 CREATED 1 5 N 104   008 8-719-062-90 DICOE MSD5400   B6007 1-243-979-21 MSTAL CHIP 1 N 2w   009 8-719-060-99 DICOE MSD5400   B6009 1-243-979-21 MSTAL CHIP 1 N 2w   009 8-719-080-59 DICOE MSD5400   B6009 1-243-979-21 MSTAL CHIP 1 N 2w   009 8-719-110-12-92 DICOE MSD5401   B6009 1-243-979-21 MSTAL CHIP 1 N 1 N 1 N 1 N 1 N 1 N 1 N 1 N 1 N 1	6001	6-500-067-01	DIODE GSIB460L/45		-					
0.04	06002				06102	8-729-010-29	TRANSISTOR M	SD601-RST	r1	
A	6004		DIODE FUF4005		•					
1008   6-500-175-01   DIOOS RES-TB	6006		DIODE MMDL914T1			< RESIS	STOR >			
	6007									
0.08					JR6007	1-216-864-11	SHORT CHIP	0		
	16008	6-500-175-01	DIODE 1E3-TB		3	2 200 000 000				
1012   8-719-052-90   DIODE DIMIAGO-TA22   R6004					26003	A 1-202-933-61	FISTRIR	0.1 1	10%	1/20
NOTE   RESULT   RES								4-20		7 10 10 10 10 10 10 10 10 10 10 10 10 10
REFORM   R					100000000000000000000000000000000000000	100 (88) (88) (88) (88) (88) (88) (88)	5550 220	104		2 4 7 3 2 b
RECORD   1-243-979-21   METAL OXIDE   0.1   5%   2H					100000000000000000000000000000000000000	4.0%		NET TO BE STORY OF THE STORY		(12)(((((12)(12)(12)(12)(12)(12)(12)(12)
12   12   12   13   14   15   15   15   15   14   15   15	JOUTO	0-113-000-00	DIONE DASPSO							
Red   Red	DC017	0_710 AEG AA	DIODE DINI AO mag		KOUUS	1-742-213-51	SPIND ONING	A.T 2	J 0	€Ħ
Red   Red					2000	1 010 072 14	MEMBER ANTE	159 /	h E0.	1 /1 /157
Refile   1-245-494-21   Refile   2-28   2-8   1/48										
Reford   R							-		-	
R6013										
Record   R	06034	8-719-312-92	DIODE RK14V1		400000-000-0-000000-0-0-0-0-0	management and the second seco	grand but control of the control of	00000000000000000000000000000000000000	Sec. 1000001000	Commission of the Commission o
Refile   R					R6013	A 1-218-265-11	METAL	8.2M :	58	IM
Side	06036									
Red   Red	06102									
R6017   1-216-833-11   METAL CHIP   10K   5%   1/10W	06104									
R6018	06105	8-719-081-97	DIODE MMDL914T1							
1-410-397-21   FERRITE   1.1UH   R6019   1-260-129-11   CARBON   330K 5% 1/2W   R6020   1-216-820-11   METAL CHIP   820 5% 1/10W   R6020   1-216-820-11   METAL CHIP   820 5% 1/10W   R6021   1-243-946-21   METAL CHIP   820 5% 1/10W   R6021   1-243-946-21   METAL CHIP   10K 5% 1/10W   R6024   1-211-981-11   METAL CHIP   10K 5% 1/10W   R6024   1-211-981-11   METAL CHIP   10K 5% 1/10W   R6023   1-246-833-11   METAL CHIP   10K 5% 1/10W   R6023   1-246-833-11   METAL CHIP   10K 5% 1/4W   R6032   1-246-833-11   METAL CHIP   10K 5% 1/4W   R6032   1-249-417-11   CARBON   1K 5% 1/4W   R6033   1-245-478-21   METAL CHIP   470 5% 1/4W   R6032   1-249-417-11   CARBON   1K 5% 1/4W   R6033   1-245-478-21   METAL CHIP   470 5% 1/2W   R6034   1-216-8817-11   METAL CHIP   470 5% 1/2W   R6034   1-218-895-11   METAL CHIP   470 5% 1/4W   R6036   1-216-8817-11   METAL CHIP   470 5% 1/4W   R6036   1-216-8817-11   METAL CHIP   470 5% 1/4W   R6039   1-248-895-11   METAL CHIP   470 5% 1/4W   R6039   1-248-895-11   METAL CHIP   100K 0.5% 1/10W   R6039   1-218-895-11   METAL CHIP   100K 0.5% 1/10W   R6039   1-218-895-11   METAL CHIP   100K 0.5% 1/10W   R6039   1-218-895-11   METAL CHIP   330 5% 1/10W   R6030   1-218-823-11   METAL CHIP   330 5% 1/10W   R6030   1-218-823-11   METAL CHIP   330 0.5% 1/10W   R6030   1-218-823-11										
1-410-397-21   FERRITE   1.1UH   R6020   1-216-820-11   METAL CHIP   820   5%   1/10W   R6021   1-243-946-21   METAL CHIP   820   5%   1/10W   R6021   1-243-946-21   METAL CHIP   10K   5%   1/10W   R6024   1-211-981-11   METAL CHIP   33   0.5%   1/10W   R6024   1-211-981-11   METAL CHIP   33   0.5%   1/10W   R6023   1-216-833-11   METAL CHIP   33   0.5%   1/10W   R6030   1-216-833-11   METAL CHIP   470   5%   1/10W   R6030   1-216-817-11   METAL CHIP   470   5%   1/10W   R6030   1-216-817-11   METAL CHIP   470   5%   1/10W   R6030   1-245-478-21   METAL CHIP   470   1%   1/4W   R6030   1-245-478-21   METAL CHIP   470   1%   1/4W   R6030   1-245-478-21   METAL CHIP   470   1%   1/4W   R6030   1-216-817-11   METAL CHIP   470   1%   1/4W   R6030   1-216-817-11   METAL CHIP   470   5%   1/2W   R6030   1-216-817-11   METAL CHIP   470   5%   1/2W   R6030   1-216-817-11   METAL CHIP   470   5%   1/10W   R6030   1-216-817-11   METAL CHIP   470   5%   1/10W   R6030   1-218-895-11   METAL CHIP   470   5%   1/10W   R6030   1-218-895-11   METAL CHIP   100K   0.5%   1/10W   R6030   1-218-895-11   METAL CHIP   20K   0.5%   1/10W   R6030   1-218-895-11   METAL CHIP   330   5%   1/10W   R6030   1-218-885-11   METAL CHIP   330   5%   1/10W   R6040   1-218-885-11   METAL CHIP   330   5%   1/10W   R6040   1-218-885-11   METAL CHIP   330   5%   1/10W   R6040   1-218-885-11   METAL CHIP   330   0.5%   1/10W   R6040   1-218-869-11   METAL CHIP   330   0.5%   1/10W   R6040   1-218-869-11   METAL CHIP   330   0.5%   1/10W   R6050   1-2		< FEI	RRITE BEAD >		R6018	1-260-131-11	CARBON	470K	5%	1/2W
1-410-397-21   FERRITE   1.1UH   R6020   1-216-820-11   METAL CHIP   820   5%   1/10W   R6021   1-243-946-21   METAL CHIP   820   5%   1/10W   R6021   1-243-946-21   METAL CHIP   10K   5%   1/10W   R6024   1-211-981-11   METAL CHIP   33   0.5%   1/10W   R6024   1-211-981-11   METAL CHIP   33   0.5%   1/10W   R6023   1-216-833-11   METAL CHIP   33   0.5%   1/10W   R6030   1-216-833-11   METAL CHIP   470   5%   1/10W   R6030   1-216-817-11   METAL CHIP   470   5%   1/10W   R6030   1-216-817-11   METAL CHIP   470   5%   1/10W   R6030   1-245-478-21   METAL CHIP   470   1%   1/4W   R6030   1-245-478-21   METAL CHIP   470   1%   1/4W   R6030   1-245-478-21   METAL CHIP   470   1%   1/4W   R6030   1-216-817-11   METAL CHIP   470   1%   1/4W   R6030   1-216-817-11   METAL CHIP   470   5%   1/2W   R6030   1-216-817-11   METAL CHIP   470   5%   1/2W   R6030   1-216-817-11   METAL CHIP   470   5%   1/10W   R6030   1-216-817-11   METAL CHIP   470   5%   1/10W   R6030   1-218-895-11   METAL CHIP   470   5%   1/10W   R6030   1-218-895-11   METAL CHIP   100K   0.5%   1/10W   R6030   1-218-895-11   METAL CHIP   20K   0.5%   1/10W   R6030   1-218-895-11   METAL CHIP   330   5%   1/10W   R6030   1-218-885-11   METAL CHIP   330   5%   1/10W   R6040   1-218-885-11   METAL CHIP   330   5%   1/10W   R6040   1-218-885-11   METAL CHIP   330   5%   1/10W   R6040   1-218-885-11   METAL CHIP   330   0.5%   1/10W   R6040   1-218-869-11   METAL CHIP   330   0.5%   1/10W   R6040   1-218-869-11   METAL CHIP   330   0.5%   1/10W   R6050   1-2	FB6002	1-410-397-21	FERRITE 1.1UH		R6019	1-260-129-11	CARBON	330K 5	5%	1/2W
R6021	FB6003				1	1-216-820-11	METAL CHIP	820	5%	
Coll   Result   Res		2 120 001							5%	
R6024   1-211-981-11   METAL CHIP   33   0.5%   1/10W		< TC	<b>&gt;</b>						5%	
Red   Red		( 10			I					
R6029   1-216-833-11   METAL CHIP   10K   5%   1/10W   R6030   1-216-817-11   METAL CHIP   10K   5%   1/10W   R6030   1-216-817-11   METAL CHIP   470   5%   1/10W   R6032   1-249-417-11   CARBON   1K   5%   1/4W   R6033   1-245-478-21   METAL   470K   1%   1/4W   R6033   1-245-478-21   METAL   470K   1%   1/4W   R6030   1-412-521-31   INDUCTOR   4.7UH   R6035   1-260-083-11   CARBON   47   5%   1/2W   R6030   1-412-521-31   INDUCTOR   4.7UH   R6036   1-216-817-11   METAL CHIP   470   5%   1/4W   R6030   1-535-303-00   LEAD, JUMPER   (5.0MM)   R6037   1-249-405-11   CARBON   100   5%   1/4W   R6035   1-218-895-11   METAL CHIP   100K   0.5%   1/10W   R6039   1-218-895-11   METAL CHIP   100K   0.5%   1/10W   R6039   1-218-895-11   METAL CHIP   22K   0.5%   1/10W   R6030   1-412-525-31   INDUCTOR   10UH   R6040   1-218-879-11   METAL CHIP   330   5%   1/10W   R6039   1-414-181-11   INDUCTOR   4.7UH   R6047   1-218-885-11   METAL CHIP   330   5%   1/10W   R6049   1-218-869-11   METAL CHIP   330   5%   1/10W   R6040   1-218-823-11   METAL CHIP   330   0.5%   1/10W   R6040   1-218-823-11   METAL CHIP   330   0.5%   1/10W   R6050   1-218-823-11   METAL CHIP   340   350   3	TC6001	9-759-670-30	TO MOZZANIA		10024	1 211 701 11	PERIOD CHIL	35 (	0.50	a) avn
R6030   1-216-817-11   METAL CHIP   470   5%   1/10W					D6020	1_016_022_11	MPTAT. CUTD	1017	<b>5</b> 2	1/10₩
R6032 1-249-417-11 CARBON 1K 5% 1/4W R6033 1-245-478-21 METAL 470K 1% 1/4W R6002 1-412-521-31 INDUCTOR 4.7UH R6003 1-412-521-31 INDUCTOR 4.7UH R6003 1-412-521-31 INDUCTOR 4.7UH R6004 1-535-303-00 LEAD, JUMPER (5.0MM) R6037 1-249-405-11 CARBON 100 5% 1/4W R6005 1-535-303-00 LEAD, JUMPER (5.0MM) R6038 1-218-895-11 METAL CHIP 100K 0.5% 1/10W R6039 1-218-895-11 METAL CHIP 100K 0.5% 1/10W R6039 1-218-895-11 METAL CHIP 2ZK 0.5% 1/10W R6007 1-412-525-31 INDUCTOR 10UH R6008 1-412-533-21 INDUCTOR 10UH R6009 1-414-181-11 INDUCTOR 4.7UH R6009 1-414-181-11 INDUCTOR 4.7UH R6040 1-218-885-11 METAL CHIP 330 5% 1/10W R6050 1-218-885-11 METAL CHIP 39K 0.5% 1/10W R60604 1-414-189-31 INDUCTOR 10UH R6040 1-218-885-11 METAL CHIP 39K 0.5% 1/10W R6050 1-218-823-11 METAL CHIP 30 0.5% 1/10W	100003	0-149-010-19	IC SEISSM-ME							
R6033 1-245-478-21 METAL 470K 1% 1/4W R6001 1-406-663-21 INDUCTOR 47UH R6002 1-412-521-31 INDUCTOR 4.7UH R6003 1-412-521-31 INDUCTOR 4.7UH R6004 1-535-303-00 LEAD, JUMPER (5.0MM) R6005 1-535-303-00 LEAD, JUMPER (5.0MM) R6006 1-406-659-11 INDUCTOR 10UH R6007 1-412-525-31 INDUCTOR 10UH R6008 1-412-533-21 INDUCTOR 47UH R6009 1-414-181-11 INDUCTOR 4.7UH R6009 1-414-181-11 INDUCTOR 4.7UH R6014 1-414-189-31 INDUCTOR 10UH R6014 1-414-189-31 INDUCTOR 10UH R6015 R6040 1-218-895-11 METAL CHIP 39K 0.5% 1/10W R6050 1-218-895-11 METAL CHIP 39K 0.5% 1/10W R60604 1-218-895-11 METAL CHIP 39K 0.5% 1/10W R6014 1-414-189-31 INDUCTOR 4.7UH R6040 1-218-895-11 METAL CHIP 39K 0.5% 1/10W R6050 1-218-823-11 METAL CHIP 39K 0.5% 1/10W R6050 1-218-823-11 METAL CHIP 30 0.5% 1/10W		4 000			1					
1-406-663-21   INDUCTOR   47UH   R6035   1-260-083-11   CARBON   47   5%   1/2W		₹ 00.	111 >							-
1-412-521-31   INDUCTOR   4.7UH   R6036   1-216-817-11   METAL CHIP   470   5%   1/10W   R6037   1-249-405-11   CARBON   100   5%   1/4W   R6035   1-218-895-11   METAL CHIP   100K   0.5%   1/10W   R6039   1-218-895-11   METAL CHIP   22K   0.5%   1/10W   R6039   1-218-879-11   METAL CHIP   22K   0.5%   1/10W   R6039   1-218-879-11   METAL CHIP   22K   0.5%   1/10W   R6039   1-218-879-11   METAL CHIP   330   5%   1/10W   R6039   1-218-885-11   METAL CHIP   330   5%   1/10W   R6049   1-218-885-11   METAL CHIP   39K   0.5%   1/10W   R6049   1-218-869-11   METAL CHIP   8.2K   0.5%   1/10W   R6050   1-218-823-11   METAL CHIP   8.2K   0.5%   1/10W   R6050   1-218-823-11   METAL CHIP   330   0.5%   1/10W			TITOTOMAN 471111							
1-412-521-31 INDUCTOR 4.7UH  R6036 1-216-817-11 METAL CHIP 470 5% 1/10W  R6037 1-249-405-11 CARBON 100 5% 1/4W  R6038 1-218-895-11 METAL CHIP 100K 0.5% 1/10W  R6039 1-218-895-11 METAL CHIP 100K 0.5% 1/10W  R6039 1-218-895-11 METAL CHIP 100K 0.5% 1/10W  R6007 1-412-525-31 INDUCTOR 10UH  R6008 1-412-533-21 INDUCTOR 10UH  R6009 1-414-181-11 INDUCTOR 4.7UH  R6040 1-218-885-11 METAL CHIP 330 5% 1/10W  R6040 1-218-885-11 METAL CHIP 330 5% 1/10W  R6041 1-414-189-31 INDUCTOR 10UH  R6042 1-218-885-11 METAL CHIP 39K 0.5% 1/10W  R6043 1-218-885-11 METAL CHIP 39K 0.5% 1/10W  R6044 1-414-189-31 INDUCTOR 10UH  R6045 1-218-885-11 METAL CHIP 39K 0.5% 1/10W  R6050 1-218-823-11 METAL CHIP 33 0.5% 1/10W  R6051 1-216-821-11 METAL CHIP 33 0.5% 1/10W  R6051 1-216-821-11 METAL CHIP 10 0.5% 1/10W  R6051 1-216-821-11 METAL CHIP 1 1K 5% 1/10W	L6001				R6035	1-260-083-11	CARBON	4/	<b>コ</b> も	1/4#
R6034   1-535-303-00   LEAD, JUMPER (5.0MM)   R6037   1-249-405-11   CARBON   100 5% 1/4W	L6002					4 444 445 44		480	F0	4 /4 000
R6038   1-218-895-11   METAL CHIP   100K   0.5%   1/10W	16003				ŀ					
R6039 1-218-895-11 METAL CHIP 100K 0.5% 1/10W R6006 1-406-659-11 INDUCTOR 10UH R6007 1-412-525-31 INDUCTOR 10UH R6008 1-412-533-21 INDUCTOR 47UH R6009 1-414-181-11 INDUCTOR 4.7UH R6045 1-216-815-11 METAL CHIP 330 5% 1/10W R6014 1-414-189-31 INDUCTOR 100UH R6047 1-218-885-11 METAL CHIP 39K 0.5% 1/10W R6050 1-218-869-11 METAL CHIP 8.2K 0.5% 1/10W R6050 1-218-823-11 METAL CHIP 100 0.5% 1/10W R6050 1-218-823-11 METAL CHIP 33 0.5% 1/10W R6051 1-216-821-11 METAL CHIP 33 0.5% 1/10W	L6004									
R6040   1-218-879-11   INDUCTOR   10UH   R6040   1-218-879-11   METAL CHIP   22K   0.5%   1/10W	L6005	1-535-303-00	LEAD, JUMPER (5.0MM	)						
6007 1-412-525-31 INDUCTOR 10UH 6008 1-412-533-21 INDUCTOR 47UH 6009 1-414-181-11 INDUCTOR 4.7UH 6014 1-414-189-31 INDUCTOR 100UH 6015 1-216-815-11 METAL CHIP 330 5% 1/10W 6016 1-414-189-31 INDUCTOR 100UH 6017 1-218-869-11 METAL CHIP 39K 0.5% 1/10W 6018 1-218-869-11 METAL CHIP 8.2K 0.5% 1/10W 6019 1-218-823-11 METAL CHIP 100 0.5% 1/10W 6019 1-218-823-11 METAL CHIP 100 0.5% 1/10W 6019 1-218-823-11 METAL CHIP 33 0.5% 1/10W 6050 1-218-823-11 METAL CHIP 33 0.5% 1/10W 6051 1-216-829-11 METAL CHIP 33 0.5% 1/10W 6051 1-216-829-11 METAL CHIP 4.7K 5% 1/10W 6051 1-216-821-11 METAL CHIP 1K 5% 1/10W					R6039	1-218-895-11	METAL CHIP			
R6045   1-216-815-11   METAL CHIP   330   5%   1/10W	L6006	1-406-659-11			R6040	1-218-879-11	METAL CHIP	- 22K	0.5%	1/10W
R6047   1-218-885-11   METAL CHIP   39K   0.5%   1/10W	L6007	1-412-525-31	INDUCTOR 10UH							
R6047   1-218-885-11   METAL CHIP   39K   0.5%   1/10W	L6008	1-412-533-21	INDUCTOR 47UH		R6045	1-216-815-11	METAL CHIP	330	58	1/10W .
R6049   1-218-869-11   METAL CHIP   8.2K   0.5%   1/10W   R6050   1-218-823-11   METAL CHIP   100   0.5%   1/10W   R6054   1-211-981-11   METAL CHIP   33   0.5%   1/10W   R6051   A 6-600-187-01   PHOTO COUPLER   PC123Y22JCOF   R6057   1-216-829-11   METAL CHIP   4.7K   5%   1/10W   R6051   1-216-821-11   METAL CHIP   1K   5%   1/10W   R6051   1-216-821-11   R6051   1-216-821-11   R6051   1/10W   R6051   1/10W   R6051   1/10W   R6051   1/10W   R6051   1/10W   R6051   1/10W   R6052   1/10W   R6053   1/10W   R6054   1/10W   R6055   1/10W   R6055	L6009	1-414-181-11	INDUCTOR 4.7UH		R6047	1-218-885-11	METAL CHIP	39K	0.5%	1/10W
R6050 1-218-823-11 METAL CHIP 100 0.5% 1/10W  < PHOTOCOUPLER > R6054 1-211-981-11 METAL CHIP 33 0.5% 1/10W  R6001 A 6-600-187-01 PHOTO COUPLER PC123Y22JOOF R6057 1-216-829-11 METAL CHIP 4.7% 5% 1/10W  R6101 1-216-821-11 METAL CHIP 1K 5% 1/10W	L6014	1-414-189-31				1-218-869-11	METAL CHIP	8.2K	0.5%	1/10W
<pre></pre>										
R6001 A 6-600-187-01 PHOTO COUPLER PC123Y22JOOF R6057 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R6101 1-216-821-11 METAL CHIP 1K 5% 1/10W		< PHO	OTOCOUPLER >							-
R6101 1-216-821-11 METAL CHIP 1K 5% 1/10W								'		
R6101 1-216-821-11 METAL CHIP 1K 5% 1/10W	PH6001	A 6-600-187-01	PHOTO COUPLER PC123	Y22J00F	R6057	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
	- HOAAT	U 000 IO, UI	·		e> 1					
R6102 1-216-829-11 METAL CHIP 4.7K 5% 1/10W					R6102	1-216-829-11	METAL CHIP			1/10W

Note: The components identified by shading and marked ∆ are critical for safety. Replace only with the part numbers specified in the parts list.

G B

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
6105	1-216-821-11	METAL CHIP 1K	5% 1/10W	C0054	1-126-947-11	ELECT 47UF	20.00% 35
5106	1-216-829-11	METAL CHIP 4.7K	5% 1/10W	C0055	1-126-947-11	ELECT 47UF	20.00% 35
				C0056	1-164-156-11	CERAMIC CHIP 0.1UF	25
	< RELA	V >		C0059	1~164-156-11	CERAMIC CHIP 0.1UF	25
	\ Main						
6001	A 1-755-388-11	RELAY (AC POWER)		C0060	1-164-230-11	CERAMIC CHIP 220PF	5.00% 50
6002	1986 Sept. 1887 Sept. 1888 Sept.	RELAY (AC POWER)		00001	1-164-156-11	CEDANTO CUTD A 1HE	25
0002 2	A 1-103 JUU II	AUDIN RU L'OBBIN		C0061		CERAMIC CHIP 0.1UF	
	- mpan	ORONIED >		C0062	1-126-947-11	ELECT 47UF	20.00% 35
	< TRAN	SFORMER >		C0063	1-164-230-11	CERAMIC CHIP 220PF	5.00% 50
				C0064	1-164-230-11	CERAMIC CHIP 220PF	5.00% 50
15 16 3	△ 1-428-896-11 △ 1-443-059-11	COIL, LINE FILTER TRANSFORMER, CONVERT	ER (PIT)	C0065	1-164-156-11	CERAMIC CHIP 0.1UF	25
5003	△ 1-428-896-11	COIL, LINE FILTER		C0066	1-164-156-11	CERAMIC CHIP 0.1UF	25
6101	A 1-443-114-11	TRANSFORMER, STANDBY		C3101	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16
	The state of the s	19.400 AP 1.400 (19.50 AP 14.400 ) AP 14.400 (19.50 AP 14.50 AP 14.50 AP 14.50 AP 14.50 AP 14.50 AP 14.50 AP 1	THE STATE OF THE S	C3102	1-127-715-91	CERAMIC CHIP 0.22UF	
	< THER	MISTOR >			•		
	, <del>, , , , , , , , , , , , , , , , , , </del>			C3103	1-127-715-91	CERAMIC CHIP 0.22UF	
16002	△ 1-804-650-11	THERMISTOR, POSITIVE		C3104	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16
				C3107	1-165-176-11	CERAMIC CHIP 0.047U	F 10.00% 16
A-13	02-965-A B Bo	ard Complete		C3108	1-165-176-11	CERAMIC CHIP 0.047U	F 10.00% 16
				C3109	1-165-176-11	CERAMIC CHIP 0.047U	
	4-087-203-01	PLASTIC RIVET		C3110	1-165-176-11	CERAMIC CHIP 0.0470	
	< CAPA	CITOR >		C3116	1-127-715-91	CERAMIC CHIP 0.22UF	TO9 10
	4 400 004 41	ARD1117A AMAR AAA-	F 000 F0	C3117	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16
005	1-162-921-11	CERAMIC CHIP 33PF	5.00% 50V	C3121	1-164-156-11	CERAMIC CHIP 0.1UF	25
006	1-162-921-11	CERAMIC CHIP 33PF	5.00% 50V	C3122	1-164-156-11	CERAMIC CHIP 0.1UF	25
1007	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C3122	1-164-156-11	CERAMIC CHIP 0.1UF	25
8000	1-164-156-11	CERAMIC CHIP 0.1UF	25V				
0009	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V	C3124	1-164-156-11	CERAMIC CHIP 0.1UF	25
AA44	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3127	1-165-176-11	CERAMIC CHIP 0.047U	F 10.00% 16
0011				C3129	1-165-176-11	CERAMIC CHIP 0.047U	F 10.00% 16
0013	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3130	1-164-156-11	CERAMIC CHIP 0.1UF	25
0015	1-164-156-11	CERAMIC CHIP 0.1UF	25V				25
0016	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3131	1-164-156-11	CERAMIC CHIP 0.1UF	
0017	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3132	1-164-156-11	CERAMIC CHIP 0.1UF	25
0018	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3133	1-126-947-11	ELECT 47UF	20.00% 35
0020	1-126-947-11	ELECT 47UF	20.00% 35V	C3134	1-164-156-11	CERAMIC CHIP 0.1UF	25
				C3135	1-162-919-11	CERAMIC CHIP 22PF	5.00% 50
0021	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3136	1-164-156-11	CERAMIC CHIP 0.1UF	25
0023	1-126-933-11	ELECT 100UF	20.00% 16V	1			
0025	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3137	1-162-919-11	CERAMIC CHIP 22PF	5.00% 50
0026	1-126-947-11	ELECT 47UF	20.00% 35V	C3138	1-164-156-11	CERAMIC CHIP 0.1UF	25
028	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3139	1-164-156-11	CERAMIC CHIP 0.1UF	25
0029	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3140	1-164-156-11	CERAMIC CHIP 0.1UF	25
			25V 25V	C3141	1-164-156-11	CERAMIC CHIP 0.1UF	25
0032	1-164-156-11	CERAMIC CHIP 0.1UF		1			20.00% 35
0033	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3142	1-126-947-11	ELECT 47UF	20.00€ 33
0035	1-164-156-11	CERAMIC CHIP 0.1UF	257	C3143	1-126-947-11	ELECT 47UF	20.00% 35
0038	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3144	1-126-947-11	ELECT 47UF	20.00% 35
	1-126-947-11	ELECT 47UF	20.00% 35V	C3145	1-126-947-11	ELECT 47UF	20.00% 35
	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3147	1-164-156-11	CERAMIC CHIP 0.1UF	25
0039		CERAMIC CHIP 0.10F	25V	C3147	1-164-156-11	CERAMIC CHIP 0.10F	25
0039 0041	1-164-156-11						
0039 0041	1-164-156-11						0.5
0039 0041 0043	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3300	1-164-156-11	CERAMIC CHIP 0.1UF	
0039 0041 0043		CERAMIC CHIP 0.1UF	25V	C3300 C3301	1-164-156-11 1-164-156-11	CERAMIC CHIP 0.1UF	
0039 0041 0043 0045 0047	1-164-156-11			1			25 25 25
0039 0041 0043 0045 0047 0048 0051	1-164-156-11 1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3301	1-164-156-11	CERAMIC CHIP 0.1UF	25

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REM/	ARK
C3305	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C5560	1-127-715-91	CERAMIC CHIP 0	.22UF 10	16V
C3306	1-164-156-11	CERAMIC CHIP 0.1UF	25V					
C3307	1-126-947-11	ELECT 47UF	20.00% 35V		< CON	NECTOR >		
C3308	1-164-156-11	CERAMIC CHIP 0.1UF	25V					
C3309	1-164-156-11	CERAMIC CHIP 0.1UF	25V	CN3100	1-794-244-11	CONNECTOR, DIN	(PLUG) 96P	
				CN3400	* 1-564-524-11	PLUG, CONNECTO	R 9P	
C3310	1-164-156-11	CERAMIC CHIP 0.1UF	25V	CN3402	* 1-564-519-11	PLUG, CONNECTO	R 4P	
C3311	1-164-156-11	CERAMIC CHIP 0.1UF	25V			·		
C3312	1-162-919-11	CERAMIC CHIP 22PF	5.00% 50V		< DIO	DE >		
C3313	1-162-919-11	CERAMIC CHIP 22PF	5.00% 50V					
C3314	1-164-156-11	CERAMIC CHIP 0.1UF	25V	D0069	8-719-083-57	DIODE UDZSTE-1	73.6B	
				D0070	8-719-081-97	DIODE MMDL914T		
C3315	1-164-156-11	CERAMIC CHIP 0.1UF	25V	D0071	8-719-081-97	DIODE MMDL914T	_	
C3316	1-164-156-11	CERAMIC CHIP 0.1UF	25V	D5500	8-719-069-55	DIODE UDZSTE-1		-
C3317	1-164-156-11	CERAMIC CHIP 0.1UF	25V	D5501	8-719-083-57	DIODE UDZSTE-1		
C3318	1-164-156-11	CERAMIC CHIP 0.1UF	25V	20001	0 123 000 01	52050 052012 2		
C3319	1-126-947-11	ELECT 47UF	20.00% 35V	D5502	6-500-028-01	DIODE MM3Z9V1S	<b>π1</b>	
C3313	1-120-947-11	EDECI . 410F	20.000 554	D5502	8-719-081-97	DIODE MMDL9141		
W330V	1_106_0#7 11	ELECT 47UF	20.00% 35V	D5504	8-719-081-97	DIODE MMDL9141	_	
C3320 C3321	1-126-947-11 1-115-758-11	ELECT 470F	20.00% 35V 20.00% 16V	D5506	8-719-081-97	DIODE MMDL9141	· .	
						DIODE MMDL9141	_	
C3324	1-164-156-11	CERAMIC CHIP 0.1UF	25V	D5511	8-719-081-97	DIODE WWDF3141	1	
C3402	1-126-947-11	ELECT 47UF	20.00% 35V					
C3403	1-164-156-11	CERAMIC CHIP 0.1UF	25V		< IC :	>		
C3405	1-164-156-11	CERAMIC CHIP 0.1UF	25V	IC0001	6-704-964-01	IC SDA6001-B12	Ţ	
C3406	1-126-947-11	ELECT 47UF	20.00% 35V	IC0002	8-759-682-41	IC M24C32-WMN6	T(A)	
C3407	1-164-156-11	CERAMIC CHIP 0.1UF	25V	IC0003	6-704-312-01	IC K4S641632F-	UC75T	
C3408	1-126-947-11	ELECT 47UF	20.00% 35V	IC0005	6-804-027-02	IC M27V160-100	K1-6Y002	
C3409	1-126-947-11	ELECT 47UF	20.00% 35V	IC0006	6-702-313-01	IC PST6001MT		
C3410	1-164-156-11	CERAMIC CHIP 0.1UF	25V	IC0007	8-759-352-91	IC PST9143NL		
C3411	1-164-156-11	CERAMIC CHIP 0.1UF	25V	IC3100	6-803-528-01	IC VSP9417BC3G		
C3412	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	IC3300	6-705-124-01	IC FRC9429A-A1		
C3413	1-164-156-11	CERAMIC CHIP 0.1UF	25V	IC3400	6-705-123-01	IC DDP3316C-H5		
C3421	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V					
05.22	1 10. 010 11				< COI	r >		
C3422	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V					
C3425	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V	L0002	1-414-928-21	INDUCTOR	1UH	
C3427	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V	T0003	1-414-928-21	INDUCTOR	1UH	
C3428	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V	L0004	1-414-928-21	INDUCTOR	10H	
C3431	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V	L0006	1-414-928-21	INDUCTOR	1UH	
				L0007	1-414-928-21	INDUCTOR	10H	
C3432	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V					
C3433	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V	L0008	1-414-928-21	INDUCTOR	1UH	
C3434	1-164-156-11	CERAMIC CHIP 0.1UF	25V	L3100	1-414-928-21	INDUCTOR	1UH	
C3435	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	L3104	1-414-928-21	INDUCTOR	1UH	
C3436	1-126-947-11	ELECT 47UF	20.00% 35V	L3105	1-414-928-21	INDUCTOR	1UH	
55.50	P 250 A31 77			L3106	1-414-928-21	INDUCTOR	10H	
C3847	1-164-156-11	CERAMIC CHIP 0.1UF	25V					
C5503	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	L3107	1-414-928-21	INDUCTOR	108	
C5508	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	L3300	1-414-928-21	INDUCTOR	1UH	
C5509	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	L3301	1-414-928-21	INDUCTOR	1UH	
C5510	1-115-416-11	CERAMIC CHIP 0.001UF	5.00% 25V	L3301	1-414-928-21	INDUCTOR	1UH	-
C231A	7 710 410 11	OMERNIC CHIL V.VVIOL	J. 440 EJY	L3303	1-410-397-21	FERRITE	1.10H	
C5511	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V					
C5516	1-164-156-11	CERAMIC CHIP 0.1UF	25V	L3400	1-414-928-21	INDUCTOR	1UH	
C5518	1-164-156-11	CERAMIC CHIP 0.1UF	25V	L3401	1-414-928-21	INDUCTOR	1UH	
C5521	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	L3402	1-414-928-21	INDUCTOR	1UE	
C33ZI	1 10: 020 11	OMITTAL ONES VIEWS	10.000 101	10402	1 414 750 51	TUDOCTON	101	

REF.NO.	PART.NO	DESCRIPTION		REMARK	REF.NO.	PART.NO	DESCRIPTION			REMARK
3404	1-414-928-21	INDUCTOR	1UH		R0009	1-216-817-11	METAL CHIP	470	5%	1/10W
5549	1-414-928-21	INDUCTOR	10H		R0011	1-216-864-11	SHORT CHIP	0		
					R0014	1-216-805-11	METAL CHIP	47	5%	1/10W
	< TRAI	NSISTOR >			R0015	1-216-805-11	METAL CHIP	47	5%	1/10W
					R0016	1-216-805-11	METAL CHIP	47	5%	1/10W
0001	8-729-010-05	TRANSISTOR M	SB709-RT1					= .	- •	-,
0002	8-729-010-05	TRANSISTOR M			R0017	1-216-821-11	METAL CHIP	1K	5%	1/10W
003	8-729-010-05	TRANSISTOR M			R0018	1-216-864-11	SHORT CHIP	0		#/ <b>#</b> 011
0005	8-729-010-29	TRANSISTOR M			R0019	1-216-809-11	METAL CHIP	100	5%	1/10W
0075	8-729-010-29	TRANSISTOR M			R0020	1-216-833-11	METAL CHIP	10K	5%	1/10W
1013	0-129-010-29	TRANSISTOR M	SDOOT-KSIT		R0020	1-216-809-11	METAL CHIP	100	5%	1/10W
3400	8-729-010-29	TRANSISTOR M	CD CO1 D Cm1		RUUZI	1-210-609-11	METAL CRIP	100	20	1/100
3401	8-729-010-29	TRANSISTOR M			R0022	1-216-864-11	SHORT CHIP	. 0		
									E 0.	1 /1 /17
3402	8-729-010-29	TRANSISTOR M			R0023	1-216-833-11	METAL CHIP	10K	5% = 0.	1/10W
403	8-729-010-29	TRANSISTOR M			R0025	1-216-809-11	METAL CHIP	100	5%	1/10W
3404	8-729-010-29	TRANSISTOR M	SD601-RST1		R0026	1-216-809-11	METAL CHIP	100	5%	1/10W
	A WAS ASS				R0027	1-216-809-11	METAL CHIP	100	5%	1/10W
405	8-729-010-29	TRANSISTOR M								a 4a a
406	8-729-010-05	TRANSISTOR M			R0028	1-216-833-11	METAL CHIP	10K	5%	1/10W
409	8-729-010-29	TRANSISTOR M			R0029	1-216-809-11	METAL CHIP	100	5%	1/10W
3410	8-729-010-29	TRANSISTOR M			R0030	1-216-809-11	METAL CHIP	100	5%	1/10W
500	8-729-010-29	TRANSISTOR M	SD601-RST1		R0031	1-216-809-11	METAL CHIP	100	5%	1/10W
					R0032	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
503	8-729-010-29	TRANSISTOR M	SD601-RST1							
505	8-729-010-29	TRANSISTOR M	SD601-RST1		R0033	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
507	8-729-010-05	TRANSISTOR M	SB709-RT1		R0034	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
509	8-729-010-29	TRANSISTOR M	SD601-RST1		R0035	1-216-809-11	METAL CHIP	100	5%	1/10W
519	8-729-010-29	TRANSISTOR M	SD601-RST1		R0036	1-216-809-11	METAL CHIP	100	5%	1/10W
					R0037	1-216-809-11	METAL CHIP	100	5%	1/10W
521	8-729-010-05	TRANSISTOR M	SB709-RT1							
550	8-729-010-29	TRANSISTOR M	SD601-RST1		R0038	1-216-825-11	METAL CHIP	2.2K	5%	: 1/10W
				-	R0039	1-216-809-11	METAL CHIP	100	5%	1/10W
	< RESI	ISTOR >			R0040	1-216-809-11	METAL CHIP	100	5%	1/10W
					R0041	1-216-815-11	METAL CHIP	330	5%	1/10W
R0002	1-216-864-11	SHORT CHIP	0		R0042	1-216-809-11	METAL CHIP	100	5%	1/10W
R0003	1-216-864-11	SHORT CHIP	0							
R0004	1-216-864-11	SHORT CHIP	0		R0043	1-216-864-11	SHORT CHIP	0		
R0008	1-216-864-11	SHORT CHIP	0		R0044	1-216-809-11	METAL CHIP	100	5%	1/10W
0010	1-216-864-11	SHORT CHIP	0		R0045	1-216-809-11	METAL CHIP	100	5%	1/10W
	1 110 001 11	DUVILI OHEE			R0045	1-216-833-11	METAL CHIP	10K	5%	- 1/10W
0011	1-216-864-11	SHORT CHIP	0		R0047	1-216-809-11	METAL CHIP	100	5%	1/10W
3400	1-216-864-11	SHORT CHIP	0.		10041	T. ETO_003_II	MRIAN CUIL	T00	J0 .	-/ T V M
	1-216-864-11	SHORT CHIP			R0048	1-216-809-11	METAL CHIP	100	5%	1/10W
3401			0							
3404	1-216-864-11	SHORT CHIP	0		R0049	1-216-809-11	METAL CHIP	100	5%	1/10W
3406	1-216-864-11	SHORT CHIP	0		R0052	1-216-809-11	METAL CHIP	100	5%	1/10W
		·.			R0053	1-216-829-11	METAL CHIP	4.7K		1/10W
3408	1-216-864-11	SHORT CHIP	0		R0056	1-216-809-11	METAL CHIP	100	5%	1/10W
3409	1-216-864-11	SHORT CHIP	0							
5582	1-216-864-11	SHORT CHIP	0		R0057	1-216-809-11	METAL CHIP	100	5%	1/10W
					R0059	1-216-809-11	METAL CHIP	100	5%	1/10W
001	1-216-833-11	METAL CHIP	10K 5%	1/10W	R0060	1-216-809-11	METAL CHIP	100	5%	1/10W
002	1-216-833-11	METAL CHIP	10K 5%	1/10W	R0063	1-216-809-11	METAL CHIP	100	5%	1/10W
003	1-216-833-11	METAL CHIP	10K 5%	1/10W	R0064	1-216-809-11	METAL CHIP	- 100	5%	1/10W
004	1-216-816-11	METAL CHIP	390 5%	1/10W						
005	1-216-816-11	METAL CHIP	390 5%	1/10W	R0065	1-216-833-11	METAL CHIP	10K	5%	1/10W
				-,	R0066	1-216-833-11	METAL CHIP	10K	5%	1/10W
006	1-216-816-11	METAL CHIP	390 5%	1/10W	R0067	1-216-833-11	METAL CHIP	10K	5%	1/10W
007	1-216-817-11	METAL CHIP	470 5%	1/10W	R0068	1-216-833-11	METAL CHIP	10K	5%	1/10W
	1-216-817-11	METAL CHIP	470 5% 470 5%	1/10W 1/10W	R0069	1-216-833-11	METAL CHIP	10K	5% 5%	1/10W
800										

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REF.NO.	PART.NO	DESCRIPTION		REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK		REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
		METAL CHIP	100 5%	1/10W	R3307	1-216-864-11	SHORT CHIP	0		R5507	1-216-864-11	SHORT CHIP	0	RB0035	1-233-576-11	RES, CHIP NETWORK 100	(3216)
R0070	1-216-809-11		220K 5%	1/10W	R3308	1-216-864-11	SHORT CHIP	n		R5508	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	RB0036	1-233-576-11	RES, CHIP NETWORK 100	(3216)
R0071	1-216-849-11	METAL CHIP		1/10W	R3311	1-216-864-11	SHORT CHIP	· N		R5510	1-216-809-11	METAL CHIP	100 5% 1/10W	RB0037	1-233-576-11	RES, CHIP NETWORK 100	(3216)
R0072	1-216-829-11	METAL CHIP	4.7K 5%	1/10W	R3314	1-216-821-11	METAL CHIP	1K 5% 1/10W		R5511	1-216-809-11	METAL CHIP	100 5% 1/10W	RB0038	1-233-576-11	RES, CHIP NETWORK 100	(3216)
R0073	1-216-833-11	METAL CHIP	10K 5%	1/10#	R3315	1-216-821-11	METAL CHIP	1K 5% 1/10W		R5512	1-216-838-11	METAL CHIP	27K 5% 1/10W	RB0039	1-233-576-11	RES, CHIP NETWORK 100	
R0074	1-216-864-11	SHORT CHIP	U		K2272	1-210-021-11	METAL CHIE	IR 30 1/10m		110011				100000	1 200 070 11		(5227)
R0075	1-216-809-11	METAL CHIP	100 5%	1/10W	R3316	1-216-821-11	METAL CHIP	1K 5% 1/10W		R5513	1-218-863-11	METAL CHIP	4.7K 0.5% 1/10W	RB0043	1-233-576-11	RES, CHIP NETWORK 100	(3216)
	1-216-864-11	SHORT CHIP	U 20	1/108	R3317	1-216-821-11	METAL CHIP	1K 5% 1/10W		R5516	1-218-831-11	METAL CHIP	220 0.5% 1/10W	RB0044	1-233-576-11	RES, CHIP NETWORK 100	(3216)
R0076	1-216-864-11	SHORT CHIP	0		R3318	1-216-821-11	METAL CHIP	1K 5% 1/10W		R5517	1-216-809-11	METAL CHIP	100 5% 1/10W	RB0045	1-233-576-11	RES, CHIP NETWORK 100	(3216)
R0079	1-216-827-11	METAL CHIP	3.3K 5%	1/10W	R3319	1-216-821-11	METAL CHIP	1K 5% 1/10W		R5518	1-216-809-11	METAL CHIP	100 5% 1/10W	RB0050	1-233-576-11	RES, CHIP NETWORK 100	(3216)
R0080 R0081	1-216-827-11	METAL CHIP	3.3K 5%	1/10W	R3320	1-216-821-11	METAL CHIP	1K 5% 1/10W		R5521	1-216-821-11	METAL CHIP	1K 5% 1/10W	RB0051	1-233-576-11	RES, CHIP NETWORK 100	(3216)
VOOOT	1-210-021-11	twing out	3,52	1,1011	1,5027	2 220 022 00											
R0082	1-216-809-11	METAL CHIP	100 5%	1/10W	R3321	1-216-821-11	METAL CHIP	1K 5% 1/10W		R5523	1-218-855-11	METAL CHIP	2.2K 0.5% 1/10W	RB0052	1-233-576-11	RES, CHIP NETWORK 100	(3216)
R0083	1-216-809-11	METAL CHIP	100 5%	1/10W	R3327	1-216-817-11	METAL CHIP	470 5% 1/10W		R5524	1-216-838-11	METAL CHIP	27K 5% 1/10W	RB0053	1-233-576-11	RES, CHIP NETWORK 100	(3216)
R0084	1-216-833-11	METAL CHIP	10K 5%	1/10W	R3400	1-216-864-11	SHORT CHIP	0		R5526	1-216-821-11	METAL CHIP	1K 5% 1/10W	RB0054	1-233-576-11	RES, CHIP NETWORK 100	(3216)
R0085	1-216-829-11	METAL CHIP	4.7K 5%	1/10W	R3401	1-216-821-11	METAL CHIP	1K 5% 1/10W		R5528	1-216-833-11	METAL CHIP	10K 5% 1/10W	RB0055	1-233-576-11	RES, CHIP NETWORK 100	(3216)
R0086	1-216-809-11	METAL CHIP	100 5%	1/10W	R3403	1-218-843-11	METAL CHIP	680 0.5% 1/10W		R5529	1-216-833-11	METAL CHIP	10K 5% 1/10W	RB3100	1-234-523-21	RES, CHIP NETWORK 0	(3216)
R0087	1-216-809-11	METAL CHIP	100 5%	1/10W	R3405	1-216-797-11	METAL CHIP	10 5% 1/10W		R5532	1-216-821-11	METAL CHIP	1K 5% 1/10W	RB3101	1-234-523-21	RES, CHIP NETWORK 0	(3216)
R0088	1-216-809-11	METAL CHIP	100 5%	1/10W	R3406	1-216-864-11	SHORT CHIP	0		R5539	1-218-879-11	METAL CHIP	22K 0.5% 1/10W				
R0089	1-107-826-11	CERAMIC CHIP	0.1UF 10%	16V	R3408	1-216-797-11	METAL CHIP	10 5% 1/10W		R5540	1-218-881-11	METAL CHIP	27K 0.5% 1/10W		< CRY	STAL >	
R0092	1-216-829-11	METAL CHIP	4.7K 5%		R3409	1-216-864-11	SHORT CHIP	0		R5541	1-216-821-11	METAL CHIP	1K 5% 1/10W				
R0093	1-216-833-11	METAL CHIP	10K 5%	1/10W	R3410	1-216-797-11	METAL CHIP	10 5% 1/10W		R5543	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W	X0001	1-567-162-00	OSCILLATOR, CRYSTAL	
										-5544	1 01 0 000 11		E C E 1/100	X3100	1-781-946-21	VIBRATOR, CRYSTAL	
R0095	1-216-821-11	METAL CHIP	1K 5%	1/10W	R3412	1-216-864-11	SHORT CHIP	0		R5544	1-216-830-11	METAL CHIP	5.6K 5% 1/10W	X3300	1-781-946-21	VIBRATOR, CRYSTAL	
R0099	1-216-833-11	METAL CHIP	10K 5%	1/10W	R3413	1-216-864-11	SHORT CHIP	0		R5545	1-218-895-11	METAL CHIP	100K 0.5% 1/10W	X3400	1-795-058-21	VIBRATOR, CERAMIC	
R0102	1-216-864-11	SHORT CHIP	0		R3414	1-216-809-11	METAL CHIP	100 5% 1/10W		R5547	1-218-895-11	METAL CHIP	100K 0.5% 1/10W 47K 0.5% 1/10W	* A 10	02.064-A D.R.	oard Complete KV-28F0	0.86
R0108	1-216-864-11	SHORT CHIP	0		R3415	1-218-855-11	METAL CHIP	2.2K 0.5% 1/10W		R5548	1-218-887-11 1-216-829-11	METAL CHIP	i.			pard Complete KV-2010	
R0137	1-216-839-11	METAL CHIP	33K 5%	1/10W	R3416	1-218-837-11	METAL CHIP	390 0.5% 1/10W		R5549	1-210-029-11	MEIAH CHIP	4.1V 20 Tita		<u> </u>		
<b>DO100</b>	1 010 004 11	SHORT CHIP	٨		R3417	1-218-855-11	METAL CHIP	2.2K 0.5% 1/10W		R5550	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	D Boa	rd Common Pa	rts ·	
R3100	1-216-864-11	SHORT CHIP	0		R3419	1-216-817-11	METAL CHIP	470 5% 1/10W		R5551	1-216-829-11	METAL CHIP	4.7K 5% 1/10W				
R3103	1-216-864-11	SHORT CHIP	٥		R3421	1-216-817-11	METAL CHIP	470 5% 1/10W		R5552	1-216-829-11	METAL CHIP			4-382-854-01	SCREW (M3X8), P, SW (	+)
R3104	1-216-864-11 1-216-864-11	SHORT CHIP	٥		R3422	1-216-809-11	METAL CHIP	100 5% 1/10W		R5555	1-216-829-11	METAL CHIP					
R3106 R3108	1-216-864-11	SHORT CHIP	0		R3423	1-216-817-11	METAL CHIP	470 5% 1/10W		R5556	1-216-829-11	METAL CHIP			< CAP	ACITOR >	
K2100	1-210-004-11	SHORI CHIE	V		110320	2 220 001 23											
R3109	1-216-809-11	METAL CHIP	100 5%	1/10W	R3427	1-216-820-11	METAL CHIP	820 5% 1/10W		R5557	1-216-809-11	METAL CHIP	100 5% 1/10W	C8100	1-136-497-81	FILM 0.1UF	5.00% 50V
R3110	1-216-809-11	METAL CHIP	100 5%		R3428	1-216-820-11	METAL CHIP	820 5% 1/10W		R5558	1-216-809-11	METAL CHIP	100 5% 1/10W	C8101	1-136-497-81	FILM 0.1UF	5.00% 50V
R3112	1-216-809-11		100 5%		R3429	1-216-820-11	METAL CHIP	820 5% 1/10W		R5559	1-216-864-11	SHORT CHIP	0	C8102	1-136-497-81	FILM 0.1UF	5.00% 50V
R3113	1-216-809-11		100 5%		R3434	1-216-864-11	SHORT CHIP	0		R5560	1-216-833-11	METAL CHIP		C8103	1-115-416-11	CERAMIC CHIP 0.001UF	5.00% 25V
R3114	1-216-864-11	SHORT CHIP	0		R3436	1-216-864-11	SHORT CHIP	0		R5561	1-216-821-11	METAL CHIP	1K 5% 1/10W	C8104	1-115-416-11	CERAMIC CHIP 0.001UF	5.00% 25V
			•				-						dam Da didam	C8105	1-126-947-11	ELECT 47UF	20.00% 35V
R3115	1-216-864-11	SHORT CHIP	0		R3437	1-216-864-11	SHORT CHIP	0 .		R5566	1-216-833-11		10K 5% 1/10W		1-164-315-11	CERAMIC CHIP 470PF	5.00% 50V
R3117	1-216-864-11	SHORT CHIP			R3438	1-216-864-11	SHORT CHIP			R5569	1-216-864-11	SHORT CHIP		C8106 C8107	1-164-313-11	METAL CHIP 8.2K	0.5% 1/10W
R3165	1-216-845-11	METAL CHIP	100K 5%	1/10W	R3443	1-218-847-11		1K 0.5% 1/10W		R5570	1-216-864-11	SHORT CHIP		C8107	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
R3220	1-216-864-11	SHORT CHIP	0		R3444	1-216-809-11	METAL CHIP	100 5% 1/10W		R5571	1-216-864-11	SHORT CHIP		C8109	1-126-947-11	ELECT 47UF	20.00% 35V
R3221	1-216-864-11	SHORT CHIP	0		R3445	1-216-809-11	METAL CHIP	100 5% 1/10W		R5572	1-216-864-11	SHORT CHIP	0	60103	1-120-947-11	EDECI 4702	20.000 337
						4 040 044 44	LIPPAT ATTE	1EA E0 4/4Am		R5573	1-216-864-11	SHORT CHIP	<b>n</b>	C8110	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
R3222	1-216-864-11	SHORT CHIP			R3446	1-216-811-11	METAL CHIP	150 5% 1/10W			1-216-864-11	SHORT CHIP		C8111	1-162-134-11	CERAMIC 470PF	10.00% 2KV
R3223	1-216-864-11	SHORT CHIP			R3450	1-218-837-11	METAL CHIP	390 0.5% 1/10W		R5580 R5582	1-216-821-11		1K 5% 1/10W	C8112	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V
R3270	1-216-864-11	SHORT CHIP			R3451	1-216-829-11	METAL CHIP	4.7K 5% 1/10W		£3562	1-510-051-11	HEIRU CHIP	TH OD T/IN	C8113	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
R3271	1-216-864-11	SHORT CHIP			R3452	1-216-817-11	METAL CHIP	470 5% 1/10W 1K 5% 1/10W				SISTOR CHIP >		C8114	1-126-964-11	ELECT 10UF	20.00% 50V
R3272	1-216-864-11	SHORT CHIP	U		R3471	1-216-821-11	METAL CHIP	1K 5% 1/10W			/ Mb3	TATAN ANTI			•		
00000	1-216-809-11	METAL CHIP	100 5%	1 /1 វាឃ	R5501	1-216-821-11	METAL CHIP	1K 5% 1/10W		RB0030	1-233-576-11	RES, CHIP N	ETWORK 100 (3216)	C8115	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V
R3300	1-216-809-11	METAL CHIP			R5502	1-216-809-11	METAL CHIP	100 5% 1/10W		RB0031	1-233-576-11	RES, CHIP N		C8116	1-115-416-11	CERAMIC CHIP 0.001UF	5.00% 25V
R3301	1-216-809-11	SHORT CHIP	0	T/ TON	R5503	1-216-821-11	METAL CHIP	1K 5% 1/10W	-	RB0032	1-233-576-11	RES, CHIP N		C8117	1-115-416-11	CERAMIC CHIP 0.001UF	5.00% 25V
R3302	1-216-864-11		. 0		R5504	1-216-809-11	METAL CHIP	100 5% 1/10W		RB0033	1-233-576-11	RES, CHIP N		C8118	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
R3303 R3306	1-216-864-11	SHORT CHIP			R5505	1-216-809-11	METAL CHIP	100 5% 1/10W		RB0034	1-233-576-11		ETWORK 100 (3216)	C8119	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
V2240	T 710 004 11	DHOME OHIE	-		1			•						1			

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BEE NO	DART NO	PEOODINTION	DEMARK	DEE NO	DARTHO	PERMITTION	DEMARK		DEE NO	DA DT NO	DECODINATION	DEMARK	DEE NO	DARTNO	DECODIDATION		DEMARK	
REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK		REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION		REMARK	
C8120	1-117-662-31	FILM 0.18UF	5% 250V	CN8805	1-691-773-11	PLUG (MICRO CONNECTOR	R) 11P		L8569	1-406-989-21	INDUCTOR	10MH	R8105	1-216-821-11	METAL CHIP	1K 5%		
C8121	1-107-846-11	FILM 0.1UF	5.00% 400V	CN8900	* 1-564-510-11	PLUG, CONNECTOR 7P		-	L8576	1-406-989-21	INDUCTOR	10MH	R8106	1-216-825-11	METAL CHIP	2.2K 5%		
C8122	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V										R8107	1-218-857-11	METAL CHIP	2.7K 0.5		
C8124	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V		< DIOD	E >				< TRAN	SISTOR >		R8108	1-218-857-11	METAL CHIP	2.7K 0.5		
C8125	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V	20100	. FOF 000 00	tern tennen /P Assa			00100	0 700 010 00	mpa 11676M69	tron CA1 nam1	R8109	1-218-879-11	METAL CHIP	22K 0.5	0% 1/10M	
<b>~</b> 01.0.0	1 105 170 11	AND 1117 AND A A1711	10 000 100	D8100	1-535-303-00	LEAD, JUMPER (5.0MM)		-	Q8100	8-729-010-29	TRANSISTOR 1		20110	1 010 070 11	100m2 cm 20	000 0 1	·	
C8126	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V	D8101	8-719-110-41	DIODE RD15ESB2			Q8101	8-729-010-29	TRANSISTOR 1		R8110	1-218-879-11	METAL CHIP	22K 0.5		
C8127	1-107-368-11	MYLAR 0.047UF	10.00% 200V	D8102	8-719-081-97	DIODE MMDL914T1	-		Q8102	8-729-010-29	TRANSISTOR I		R8111	1-216-825-11	METAL CHIP	2.2K 5%		
C8128	1-162-968-11	CERAMIC CHIP 0.0047UF		D8103	8-719-081-97	DIODE MMDL914T1			Q8103	8-729-010-29			R8112	1-216-825-11	METAL CHIP	2.2K 5%		
C8129	1-102-030-00	CERAMIC 330PF MYLAR 0.047UF	10.00% 500V 10.00% 200V	D8104	8-719-081-97	DIODE MMDL914T1			Q8104	8-729-010-29	TRANSISTOR	MSD001-KST1	R8113 R8114	1-216-833-11 1-216-833-11	METAL CHIP METAL CHIP	10K 5% 10K 5%		
C8131	1-107-368-11	MYLAR 0.047UF	10.006 2009	D8105	8-719-081-97	DIODE MMDL914T1			Q8105	8-729-010-29	TRANSISTOR 1	MCD401_DC#1	KOTT#	1-210-033-11	METAL CRIP	101 34	1/10W	
C8132	1-164-230-11	CERAMIC CHIP 220PF	5.00% 50V	D8105	8-719-081-97	DIODE MMDL914T1			Q8105 Q8106	8-729-010-29	TRANSISTOR 1		R8115	1-216-845-11	METAL CHIP	100K 5%	1/10W	
C8134	1-104-230-11	CERAMIC CRIP 220FF	0.25PF 50V	D8107	8-719-081-97	DIODE MMDL914T1			Q8107	8-729-010-29	TRANSISTOR 1		R8116	1-216-845-11	METAL CHIP	100K 5%	•	
C8135	1-126-966-11	ELECT 33UF	20.00% 50V	D8108	8-719-921-40	DIODE MTZJ-4.7C			Q8108	8-729-010-05	TRANSISTOR		R8117	1-216-833-11	METAL CHIP	100K 5%		
C8135	1-126-964-11	ELECT 10UF	20.00% 50V	D8128	8-719-081-97	DIODE MMDL914T1			Q8109	8-729-048-47		2SC2688(5)-LK	R8118	1-216-833-11	METAL CHIP	10K 5%	•	
C8138	1-102-030-00	CERAMIC 330PF	10.00% 500V	00120	6-719-001-97	PIONE MENDERICAL			Ž0103	0-123-040-41	IMMOIDION	2302000 (3) -III	R8119	1-216-833-11	METAL CHIP	10K 5%	· .	
00100	1 102 030 00	CBIGMIC 55011	10.000 5000	D8132	8-719-081-97	DIODE MMDL914T1			Q8110	8-729-010-05	TRANSISTOR	MSR709-RT1	10223	1 110 000 11	mini (iii	2011	2/2011	
C8139	1-162-131-11	CERAMIC 220PF	10.00% 2KV	D8133	8-719-081-97	DIODE MMDL914T1			Q8111	8-729-048-47		2SC2688(5)-LK	R8120	1-216-825-11	METAL CHIP	2.2K 5%	1/10W	
C8141	1-117-836-11	FILM 6800PF	3.00% 1.5KV	D8199	8-719-081-97	DIODE MMDL914T1			Q8112	8-729-010-29	TRANSISTOR	• •	R8121	1-216-825-11	METAL CHIP	2.2K 5%	•	
C8142	1-127-681-11	FILM 10000PF	2% 100V	D8200	8-719-302-43	DIODE EL1Z			Q8113	8-729-010-29	TRANSISTOR		R8122	1-216-825-11	METAL CHIP	2.2K 5%	•	
C8143	1-125-893-11	FILM 680PF	3.00% 1.5KV	D8201	8-719-302-43	DIODE EL1Z			Q8114	6-550-827-01		ST2310DHI (041Y)	R8123	1-216-841-11	METAL CHIP	47K 5%	•	
C8144	1-125-893-11	FILM 680PF	3.00% 1.5KV										R8124	1-216-821-11	METAL CHIP	1K 5%		
				D8203	8-719-085-12	DIODE BYV98-200-RAS 1	5/12		Q8115	8-729-010-05	TRANSISTOR	MSB709-RT1					-,	
C8147	1-126-947-11	ELECT 47UF	20.00% 35V	D8204	8-719-085-12	DIODE BYV98-200-RAS 1	5/12		Q8116	6-550-827-01	TRANSISTOR	ST2310DHI (041Y)	R8125	1-216-825-11	METAL CHIP	2.2K 5%	1/10W	
C8148	1-117-662-31	FILM 0.18UF	5% 250V	D8207	8-719-991-33	DIODE 1SS133T-77	·		Q8117	8-729-050-48	TRANSISTOR	IRF614-005	R8126	1-216-815-11	METAL CHIP	330 5%		
C8200	1-165-441-81	ELECT 33UF	20% 160V	D8208	8-719-991-33	DIODE 1SS133T-77			Q8118	8-729-010-29	TRANSISTOR I	MSD601-RST1	R8128	1-218-887-11	METAL CHIP	47K 0.5		
C8201	1-107-655-11	ELECT 47UF	20.00% 250V	D8508	8-719-063-73	DIODE D1NL20U-TR			Q8119	8-729-010-05	TRANSISTOR	MSB709-RT1	R8129	1-218-887-11	METAL CHIP	47K 0.5		
C8202	1-102-228-00	CERAMIC 470PF	10.00% 500V						-				R8130	1-218-908-91	METAL CHIP	360K 0.5	5% 1/10W	
				D8509	8-719-081-97	DIODE MMDL914T1			Q8120	8-729-010-05	TRANSISTOR	MSB709-RT1						
C8203	1-102-228-00	CERAMIC 470PF	10.00% 500V	D8611	8-719-081-97	DIODE MMDL914T1			Q8121	6-550-721-01	TRANSISTOR	2SK2679 (LBS2SONY.Q)	R8131	1-216-815-11	METAL CHIP	330 5%	1/10W	
C8204	1-102-228-00	CERAMIC 470PF	10.00% 500V	D8612	8-719-081-97	DIODE MMDL914T1			Q8122	8-729-010-05	TRANSISTOR	MSB709-RT1	R8132	1-216-815-11	METAL CHIP	330 5%	1/10W	
C8205	1-126-941-11	ELECT 470UF	20.00% 25V	D8802	8-719-081-97	DIODE MMDL914T1			Q8123	8-729-010-05	TRANSISTOR	MSB709-RT1	R8133	1-216-815-11	METAL CHIP	330 5%	1/10W	
C8206	1-126-941-11	ELECT 470UF	2000% 25V	D8803	8-719-081-97	DIODE MMDL914T1			Q8125	8-729-010-29	TRANSISTOR	MSD601-RST1	R8135	1-243-584-21	METAL OXIDE	4.7K 5%	2W	
C8207	1-126-964-11	ELECT 10UF	20.00% 50V										R8136	1-218-887-11	METAL CHIP	47K 0.5	5% 1/10₩	
					< FERR	ITE BEAD >			Q8126	8-729-010-05	TRANSISTOR !	MSB709-RT1						
C8209	1-164-315-11	CERAMIC CHIP 470PF	5.00% 50V						Q8127	8-729-010-05	TRANSISTOR !		R8137	1-218-887-11	METAL CHIP	47K 0.5		
C8210	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	FB8100	1-410-397-21	FERRITE 1.1UH			Q8128	8-729-010-29	TRANSISTOR 1		R8138	1-218-887-11	METAL CHIP	47K 0.5		
C8529	1-164-156-11	CERAMIC CHIP 0.1UF	25V						Q8132	8-729-421-19	TRANSISTOR 1		R8139	1-218-887-11	METAL CHIP	47K 0.5		
C8530	1-164-230-11	CERAMIC CHIP 220PF	5.00% 50V		< IC >				Q8201	8-729-010-29	TRANSISTOR 1	MSD601-RST1	R8140	1-216-825-11	METAL CHIP	2.2K 5%		
C8531	1-164-156-11	CERAMIC CHIP 0.1UF	25V							A			R8141	1-243-584-21	METAL OXIDE	4.7K 5%	2W	
				IC8100	8-759-665-11	IC LM393DT			Q8202	8-729-010-29	TRANSISTOR I							
C8532	1-126-947-11	ELECT 47UF	20.00% 35V	IC8101	8-759-665-11	IC LM393DT			Q8203	8-729-010-29	TRANSISTOR I		R8142	1-260-340-11	CARBON	10K 5%		
C8534	1-164-156-11	CERAMIC CHIP 0.1UF	25V	IC8102	8-759-638-79	IC NJM3404AD-W			Q8455	8-729-010-29	TRANSISTOR 1		R8143	1-216-825-11	METAL CHIP	2.2K 5%		
C8536	1-136-497-81	FILM 0.1UF	5.00% 50V	IC8103	8-759-659-67	IC LA6393DLL			Q8508	8-729-010-29	TRANSISTOR 1		R8145	1-215-895-21	METAL OXIDE			
C8537	1-136-347-11	FILM 0.0047UF		IC8527	8-759-701-01	IC NJM2904M			Q8509	8-729-010-29	TRANSISTOR !	MSD601-RST1	R8146	1-260-340-11	CARBON	10K 5%		
C8538	1-137-499-11	FILM 0.015UF	5.00% 630V							0 800 410 00		0	R8147	1-243-949-21	METAL OXIDE	0.47 5%	2W	
			AA AAS BASS		< COIL	>			Q8510	8-729-140-93	TRANSISTOR 2			4 04 5 000 84		44	•	
C8802	1-126-960-11	ELECT 1UF	20.00% 50V		4 404 007 44				Q8512	8-729-053-33	TRANSISTOR :	IRF614-037	R8148	1-215-880-71	METAL OXIDE			
C8803	1-126-960-11	ELECT 1UF	20.00% 50V	L8101	1-406-985-11	INDUCTOR 2.2MH							R8149	1-216-821-11	METAL CHIP	1K 5%		
C8804	1-102-114-00	CERAMIC 470PF	10.00% 50V	L8102	1-414-928-21	INDUCTOR 1UH				< RESIS	STOR >		R8150	1-216-821-11	METAL CHIP		-	
C8805	1-102-114-00	CERAMIC 470PF	10.00% 50V	L8103	1-414-928-21	INDUCTOR 1UH			TD0460	1 010 003 44	ATTANK AND		R8151	1-216-361-00	METAL OXIDE			
				L8104	1-414-928-21	INDUCTOR 1UE			JR8460	1-216-864-11	SHORT CHIP	U	R8152	1-215-880-71	METAL OXIDE	10 5%	2W	
	< CONN	ECTOR >		L8201	1-410-397-21	FERRITE 1.1UE			D0100	1 010 010 44	100017 0000	000 En 4/40-	20150	1 047 007 04	(III)	100 50	4 / 4 7.9	
enr04 0 4	± 1 ECA 510 14	DINA ANNHARAN TO		7,0000	1 410 207 04	EEDD785 4 4000			R8100	1-216-813-11	METAL CHIP		R8153	1-247-807-31	CARBON	100 5%		
CN8104	* 1-564-510-11	PLUG, CONNECTOR 7P	\ 12p	L8202	1-410-397-21	FERRITE 1.1UH			R8101	1-216-813-11	METAL CHIP		R8154	1-216-845-11	METAL CHIP	100K 5%		
CN8203	1-691-775-11	PLUG (MICRO CONNECTOR	) 13Y	L8203	1-410-397-21	FERRITE 1.1UH			R8102	1-216-825-11		2.2K 5% 1/10W	R8155	1-216-853-11	METAL CHIP	470K 5%		
CN8206	* 1-564-510-11	PLUG, CONNECTOR 7P	DOS DD)	L8503	1-535-303-00	LEAD, JUMPER (5.0MM)		 	R8103	1-216-825-11		2.2K 5% 1/10W	R8157	1-215-493-00	METAL		1/4W	
CN8211	* 1-785-270-12	PIN, DY CONNECTOR (PC	BOAKD)	L8504	1-535-303-00	LEAD, JUMPER (5.0MM)			R8104	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R8159	1-216-864-11	SHORT CHIP	0		

D	H1	C
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REF.NO.	PART.NO	DESCRIPTION		RE	MARK	REF.NO.	PART.NO	DESCRIPTION		R	EMARK	·
R8160	1-216-864-11	SHORT CHIP	0			R8565	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W	
R8161	1-218-869-11	METAL CHIP	8.2K	0.5%	1/10W	R8566	1-216-821-11	METAL CHIP	1K	5%	1/10W	
8162	1-216-821-11	METAL CHIP	1K	5%	1/10W	R8567	1-216-833-11	METAL CHIP	10K	5%	1/10W	
8163	1-216-833-11	METAL CHIP	10K	5%	1/10W	R8568	1-216-813-11	METAL CHIP	220	5%	1/10W	
8165	1-218-889-11	METAL CHIP	56K	0.5%	1/10W	R8571	1-243-555-21	METAL OXIDE	18	5%	2W	
R8166	1-247-807-31	CARBON	100	5%	1/4W	R8572	1-215-882-21	METAL OXIDE	22	5%	2W	
R8167	1-215-493-00	METAL	1M	1%	1/4W	R8573	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R8168	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R8574	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
8169	1-218-895-11	METAL CHIP	100K	0.5%	1/10W	R8575	1-216-817-11	METAL CHIP	470	5%	1/10W	
8170	1-216-815-11	METAL CHIP	330	5%	1/10W	R8804	1-249-408-11	CARBON	180	- 5%	1/4W	
R8171	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R8805	1-249-408-11	CARBON	180	5%	1/4W	
R8174	1-216-837-11	METAL CHIP	22K	5%	1/10W	R8806	1-249-411-11	CARBON	330	5%	1/4W	
R8178	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W	R8807	1-249-411-11	CARBON	330	5%	1/4W	
R8179	1-216-864-11	SHORT CHIP	0			R8868	1-218-869-11	METAL CHIP	8.2K	0.5%	1/10W	
R8180	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R8885	1-218-895-11	METAL CHIP	100K	0.5%	1/10W	
R8181	1-249-409-11	CARBON	220	5%	1/4W	R8886	1-218-875-11	METAL CHIP	15K	0.5%	1/10W	•
R8182	1-216-841-11	METAL CHIP	47K	5%	1/10W							
R8183	1-216-825-11	METAL CHIP	2.2K	5%	1/10W		< TRAN	ISFORMER >				
R8190	1-216-825-11	METAL CHIP	2.2K	5%	1/10W							
R8191	1-243-622-21	METAL OXIDE	22K	5%	3W	T8100	1-433-489-31	TRANSFORMER,	FERRIT	E (HDI	!)	
						T8101	1-433-489-31	TRANSFORMER,	FERRIT	E (HD	·)	
8196	1-249-377-11	CARBON	0.47	5%	1/4W	T8202	1-437-614-11	TRANSFORMER,	HORIZO	NTAL (	UTPUT	
8201	1-260-123-11	CARBON	100K	5%	1/2W							
8203	1-216-864-11	SHORT CHIP	0			D Boa	rd Variant Parts	KV-28FQ86				
8204	1-202-972-61	FUSIBLE	1	5%	1/4W							
R8205	1-218-871-11	METAL CHIP	10K	0.5%	1/10W		< CAPA	CITOR >				
R8206	1-249-443-11	CARBON	0.47	5%	1/4W	C8130	1-164-230-11	CERAMIC CHIE	220PF		5.00%	50V
R8207	1-249-443-11	CARBON	0.47	5%	1/4W	C8140	1-117-641-11	FILM	7500PE	?	3.00%	1.2KV
R8208	1-216-838-11	METAL CHIP	27K	5%	1/10W	C8145	1-117-667-11	FILM	0.47UE		5.00%	250V
R8209	1-216-833-11	METAL CHIP	10K	5%	1/10W	C8146	1-117-660-21	FILM	0.120	?	5.00%	250V
R8210	1-216-825-11	METAL CHIP	2.2K	5%	1/10W		< CONTR	NECTOR >				
R8211	1-216-833-11	METAL CHIP	10K	5%	1/10W		Com	ECION >				
R8212	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	CN8214	* 1-816-976-11	PLUG, CONNEC	TOR 5P			
R8215	1-218-887-11	METAL CHIP	47K		1/10W	CN8215	* 1-816-977-51	PLUG, CONNEC	TOR 6P		. •	
R8216	1-218-887-11	METAL CHIP	47K		1/10W							
R8217	1-216-833-11	METAL CHIP	10K	5%	1/10W		< RESI	ISTORS >				
R8218	1-249-443-11	CARBON	0.47	5%	1/4W	R8127	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W	ī
R8219	1-249-443-11	CARBON	0.47		1/4W	R8144	1-243-584-21	METAL OXIDE	4.7K	5%	2W	
R8220	1-216-821-11	METAL CHIP	1K	5%	1/10W	R8156	1-215-485-00	METAL	470K	18	1/4W	
R8456	1-218-889-11	METAL CHIP	56K		1/10W	R8176	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W	
R8459	1-216-825-11	METAL CHIP	2.2K		1/10W	R8177	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	Ī
R8538	1-216-849-11	METAL CHIP	220K	5%	1/10W	R8222	1-216-347-11	METAL OXIDE	0.68	5%	1W	
R8539	1-216-845-11	METAL CHIP	100K	5%	1/10W	R8570	1-243-555-21	METAL OXIDE	18	5%	2W	
R8540	1-216-837-11	METAL CHIP	22K	5%	1/10W							
R8541	1-218-863-11	METAL CHIP		0.5%		D Boa	rd Variant Parts	KV-28FQ86		. ~		
R8542	1-216-841-11	METAL CHIP	47K	5%	1/10W		< C3 D7	ACITOR >				
R8543	1-216-833-11	METAL CHIP	10K	5%	1/10W		· · · · · · · · · · · ·	ATTAIN /				
	1-216-841-11	METAL CHIP	47K	5%	1/10W	C8130	NOT FITTED					
R8544				- "	-1	-04.40	1 117 006 11	FILM	COAADI	-	2 000	1.5KV
-		METAL CHIP	1K	5%	1/10W	C8140	1-117-836-11	FILM	6800PI		3.005	T. DVA
R8544 R8545 R8550	1-216-821-11 1-218-863-11	METAL CHIP	1K 4.7K		1/10W 1/10W	C8140 C8145	1-117-836-11	FILM	0.560		5.00%	

REF.NO.	PART.NO	DESCRIPTION		F	REMARK	REF.NO.	PART.NO	DESCRIPTION		REMARK	
	< CONN	ECTOR >					< SWIT	CH >			
CN8214	* 1-564-508-11	PLUG, CONNEC	TOR SP	-		s0900	1-692-431-21	SWITCH, TAC	TILE		
CN8215	* 1-816-977-11	PLUG, CONNEC				S0901	1-692-431-21	SWITCH, TAC			
CNOZIS	" 1-010-3//-11	PHOG, COMMEC	ION OF			S0902	1-692-431-21	SWITCH, TAC			
-	/ DECT	STORS >				S0902 S0903	1-692-431-21	SWITCH, TAC			
	< KESI	STORS >				S0903	1-692-431-21	SWITCH, TAC			
R8127	1-218-865-11	METAL CHIP	5.6K	0.5%	1/10W	00504	1 072 101 11				
R8144	1-215-895-21	METAL OXIDE	3.3K		2W	S0905	1-692-431-21	SWITCH, TAC	TILE		
R8156	1-215-489-00	METAL	680K		1/4W						
R8176	1-216-833-11	METAL CHIP		5%	1/10W	* A-14	05-610-A C Bo	ard Complete	e		
R8177	1-216-829-11	METAL CHIP	4.7K	5%	1/10W						
							* 4-042-408-01	PIN, COATIN			
R8222	1-216-341-11	METAL OXIDE	0.22	5%	1W		* 4-102-022-01	PIN(30), WI	IRE		
R8570	1-243-554-21	METAL OXIDE	15	5%	2W		4-382-854-01	SCREW (M3X8	3), P, SW (+)		
* A-14	05-609-A H1 B	oard Complete	е —				< CAPA	ACITOR >			
	< CAPA	CITOR >				C7300	1-136-189-00	MYLAR	0.1UF	10.00%	250
						C7302	1-164-156-11	CERAMIC CHI	IP 0.1UF		25V
C2904	1-162-964-11	CERAMIC CHIP	0.0010	F	10.00% 50V	C7303	1-162-921-11	CERAMIC CHI	IP 33PF	5.00%	50V
C2906	1-126-960-11	ELECT	1UF		20.00% 50V	C7306	1-115-416-11	CERAMIC CHI		5.00%	
C2907	1-126-960-11	ELECT	1UF		20.00% 50V	C7310	1-136-189-00	MYLAR	0.1UF	10.00%	
C2931	1-162-964-11	CERAMIC CHIP		F	10.00% 50V						
						C7312	1-164-156-11	CERAMIC CHI	IP 0.1UF		25V
	< CONT	ECTOR >				C7313	1-162-921-11	CERAMIC CHI	IP 33PF	5.00%	50V
						C7316	1-115-416-11	CERAMIC CH	IP 0.001UF	5.00%	25V
CN2900	1-779-947-11	TERMINAL BLO	CK, S			C7320	1-136-189-00	MYLAR	0.1UF	10.00%	250
CN2911	* 1-564-511-11	PLUG, CONNEC	TOR 8P			C7321	1-107-652-11	ELECT	10UF	20.00%	250
CN2912	* 1-564-510-11	PLUG, CONNEC	TOR 7P								
						C7322	1-164-156-11	CERAMIC CH	IP 0.1UF		25V
-	< DIOI	)E >				C7323	1-162-921-11	CERAMIC CH	IP 33PF	5.00%	
			٠			C7326	1-115-416-11	CERAMIC CH	P 0.001UF	5.00%	
D0901	8-719-109-89	DIODE RD5.6E	SB2			C7330	1-162-927-11	CERAMIC CH	IP 100PF	5.00%	50V
D0908	8-719-109-89	DIODE RD5.6E	SB2			C7331	1-126-947-11	ELECT	47UF	20.00%	35V
	< SOCE	/P# \				C7332	1-126-947-11	ELECT	47UF	20.00%	35V
	\ 50Cl					C7333	1-107-652-11	ELECT	10UF	20.00%	
J2901	1-817-763-11	JACK				C7334	1-107-649-11	ELECT	2.2UF	20.00%	
92301	2 017 703 11	Value				C7335	1-119-894-51	CERAMIC	2200PF	20.00%	
	< RESI	ISTOR >				C7336	1-115-350-51	CERAMIC	0.0047UF		2KV
R0901	1-216-864-11	SHORT CHIP	0				< CONT	NECTOR >			
R0902	1-216-829-11	METAL CHIP	4.7K	59	1/10W		COM				
R0911	1-216-829-11	METAL CHIP	4.7K		1/10W	CN7330	* 1-564-508-11	PLUG, CONNI	ECTOR 5P		
R0912	1-216-864-11	SHORT CHIP	0	- 0	2/2011	CN7331	* 1-564-512-11	PLUG, CONNI			
R0913	1-216-833-11	METAL CHIP		5%	1/10W	CN7332	1-695-915-11	TAB (CONTAC			
WALT	1 210-033-11	MAINE CHIL	LVI	J 0	-1-011	CN7333	1-695-915-11	TAB (CONTAC			
R0914	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R2901	1-249-406-11	CARBON	120	5%	1/4W		< DIO	DE >			
R2902	1-249-406-11	CARBON	120	5%	1/4W						
R2903	1-249-406-11	CARBON	120	5%	1/4W	D7300	8-719-901-83	DIODE 1888	3		
R2904	1-249-406-11	CARBON	120	5%	1/4W	D7301	8-719-901-83	DIODE 1888	3		
						D7302	8-719-991-33	DIODE 1SS1	33T-77		
R2909	1-216-853-11	METAL CHIP	470K	5%	1/10W	D7303	8-719-901-83	DIODE 1888	3		
R2910	1-216-853-11	METAL CHIP	470K		1/10W	D7304	8-719-083-83	DIODE UDZS	-TE17-15B		
レてユエハ		METAL CHIP	1K	5%	1/10W						
	1-216-821-11					1					
R2917 R2918	1-216-821-11	METAL CHIP	1K	5%	1/10W	D7310	8-719-901-83	DIODE 1SS8	3		

Note: The components identified by shading and marked ∆ are critical for safety. Replace only with the part numbers specified in the parts list.



REF.NO.	PART.NO	DESCRIPTION		REMARK	REF.NO.	PART.NO	DESCRIPTION		F	REMARK
D7312	8-719-991-33	DIODE 1SS133T-77			R7308	1-202-557-00	SOLID	220	20%	1/2W
7313	8-719-901-83	DIODE 1SS83			R7310	1-216-821-11	METAL CHIP	1K	5%	1/10W
7314	8-719-083-83	DIODE UDZS-TE17-1	5B		R7311	1-216-813-11	METAL CHIP	220	5%	1/10W
7320	8-719-901-83	DIODE 1SS83			R7312	1-216-814-11	METAL CHIP	270	5%	1/10W
07321	8-719-901-83	DIODE 1883			R7313	1-216-813-11	METAL CHIP	220	5%	1/10W
7322	8-719-991-33	DIODE 1SS133T-77			R7314	1-216-813-11	METAL CHIP	220	5%	1/10W
7323	8-719-901-83	DIODE 18883			R7316	1-216-864-11	SHORT CHIP	0		
7324	8-719-083-83	DIODE UDZS-TE17-1	5B		R7317	1-247-807-31	CARBON	100	5%	1/4W
7330	8-719-109-68	DIODE RD3.6ESB1			R7318	1-202-557-00	SOLID	220	20%	1/2W
7331	8-719-901-83	DIODE 1SS83			R7320	1-216-821-11	METAL CHIP	1K	5%	1/10W
		. 8			R7321	1-216-813-11	METAL CHIP	220	5%	1/10W
	< IC >				R7322	1-216-814-11	METAL CHIP	270	5%	1/10W
					R7323	1-216-813-11	METAL CHIP	220	5%	1/10W
C7300	6-704-806-01	IC TDA6118JF			R7324	1-216-813-11	METAL CHIP	220	5%	1/10W
C7310	6-704-806-01	IC TDA6118JF							38	1/10W
IC7320	6-704-806-01	IC TDA6118JF			R7326	1-216-864-11	SHORT CHIP	0		
	< SOCK	RT >			R7327	1-247-807-31	CARBON	100	5%	1/4W
					R7328	1-202-557-00	SOLID	220	20%	1/2W
77330 Z	A 1-451-544-11	SOCKET, CRT			R7330	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
1330 2	V 1-431-344-11	SUCREI, CRI	38.2		R7331	1-247-903-00	CARBON	1M	5%	1/4W
	< COIL	>			R7333	1-249-417-11	CARBON	1K	5%	1/4W
								4.00		4 / / **
7330	1-414-928-21	INDUCTOR 1U	H		R7334	1-249-417-11	CARBON	1K	5%	1/4W
7331	1-414-928-21	INDUCTOR 1U	H		R7335	1-247-735-11	CARBON	47	5%	1/2W
					R7336	1-202-549-00	SOLID	100	20%	1/2W
	< PROT	ECTOR MODULE >			R7337	1-202-549-00	SOLID	100	20%	1/2W
		1010A. 11000 MAR /			R7340	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
957332 Z	A 1-532-637-00	IC LINK 1A 5	0V		R7350	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
					R7360	1-216-826-11	METAL CHIP	2.7K		1/10W
	< TRAN	SISTOR >			R7361	1-216-821-11	METAL CHIP	1K	5% 5%	1/10W
27300	8-729-025-25	TRANSISTOR BF550								
27301	8-729-010-29	TRANSISTOR MSD601	-RST1			< RESI	STOR VARIABLE >			
27302	8-729-200-17	TRANSISTOR 2SA109								
-	8-729-025-25	TRANSISTOR BF550			RV7330	1-241-656-11	RES, ADJ, M	ETAL FII	M 110	M
27310 27311	8-729-010-29	TRANSISTOR MSD601	-RST1		+ 4 - 4 4	05 C44 A F4 B	I OI			
					* A-14	05-611-A F1 B	oard Complet	.e		
7312	8-729-200-17	TRANSISTOR 2SA109	1-0			4-206-220-01	HOLDER, LED			
27320	8-729-025-25	TRANSISTOR BF550								
27321	8-729-010-29	TRANSISTOR MSD 601				< CAPA	ACITOR >			
7322	8-729-200-17	TRANSISTOR 2SA109								
27330	8-729-010-05	TRANSISTOR MSB709	-RT1		C0982	1-104-665-11	ELECT	100UF		20.00% 257
					C0983	1-102-114-00	CERAMIC	470PF		10.00% 50V
	< RESI	STOR >			C0984	1-102-129-00		0.01UE	,	10.00% 50V
					C6400	1-113-924-11	CERAMIC	0.0047		20.00% 250V
R7303	1-216-864-11	SHORT CHIP 0			00300	/27 11	Ollando		-	_v.vv
JR7313	1-216-864-11	SHORT CHIP 0				/ 00111	ECTOR >			
R7323	1-216-864-11	SHORT CHIP 0				COMM	HOLOK /			
W1959	T 510-004-11	OHOMI CHIE			CN0981	* 1-564-507-11	PLUG, CONNEC	CTOR 4P		-
7300	1-216-821-11	METAL CHIP 1K	5%	1/10W		A * 1-580-843-11	PIN, CONNEC		ER)	
7301	1-216-813-11	METAL CHIP 220	5%	1/10W	CN6401 Z	× 1-691-291-11	PIN, CONNEC	FOR (PC	BOARD	5P
R7302	1-216-814-11	METAL CHIP 270	5%	1/10W	CN6403	1-695-915-11	TAB (CONTACT	*** <u>**********************************</u>		
7303	1-216-813-11	METAL CHIP 220	5%	1/10W			(3011110)	<b>'</b> .		
R7304	1-216-813-11	METAL CHIP 220		1/10W	-	< DIOD	E >			
7306	1-216-864-11	SHORT CHIP 0			D0981 D0983	8-719-109-89 8-719-082-12	DIODE RD5.60 DIODE TLHK51			

Note: The components identified by shading and marked ∆ are critical for safety. Replace only with the part numbers specified in the parts list.



C2655	10% 10 10% 5.00% 50 25 20.00% 50 20.00% 16 10.00% 16 20.00% 35 10.00% 16 10.00% 16 10.00% 16 10.00% 16
F6400 A 1-576-232-12 FUSE 5A 250V F16400 A 1-533-725-11 FUSE HOLDER 0A 0V C2658 1-164-156-11 CERAMIC CHIP 0.1UF C2659 1-126-947-11 ELECT 10UF  C2660 1-126-947-11 ELECT 47UF C3608 1-107-826-11 CERAMIC CHIP 0.1UF C3609 1-107-826-11 CERAMIC CHIP 0.1UF C3610 1-126-947-11 ELECT 47UF C3611 1-164-156-11 CERAMIC CHIP 0.1UF C3612 1-164-156-11 CERAMIC CHIP 0.1UF C3613 1-107-826-11 CERAMIC CHIP 0.1UF C3614 1-107-826-11 CERAMIC CHIP 0.1UF C3615 1-107-826-11 CERAMIC CHIP 0.1UF C3616 1-107-826-11 CERAMIC CHIP 0.1UF C3617 1-107-826-11 CERAMIC CHIP 0.1UF C3618 1-107-826-11 CERAMIC CHIP 0.1UF C3620 1-107-826-11 CERAMIC CHIP 0.1UF C3621 1-164-156-11 CERAMIC CHIP 0.1UF C3622 1-164-156-11 CERAMIC CHIP 0.1UF C3623 1-107-826-11 CERAMIC CHIP 0.1UF C3624 1-164-156-11 CERAMIC CHIP 0.1UF C3625 1-107-826-11 CERAMIC CHIP 0.1UF C3625 1-107-826-11 CERAMIC CHIP 0.1UF C36261 1-164-156-11 CERAMIC CHIP 0.1UF C3627 1-164-156-11 CERAMIC CHIP 0.1UF C3628 1-107-826-11 CERAMIC CHIP 0.1UF C3629 1-107-826-11 CERAMIC CHIP 0.1UF C3620 1-107-826-11 CERAMIC CHIP 0.1UF C3621 1-107-826-11 CERAMIC CHIP 0.1UF C3621 1-107-826-11 CERAMIC CHIP 0.1UF	5.00% 50 25 20.00% 50 20.00% 35 10.00% 16 20.00% 35 25 10.00% 16 10.00% 16 10.00% 16
The field of the	20.00% 50 20.00% 35 10.00% 16 10.00% 35 20.00% 35 25 10.00% 16 10.00% 16 10.00% 16 10.00% 16
C2659 1-126-964-11 ELECT 10UF  C1C >  C2660 1-126-947-11 ELECT 47UF  C3608 1-107-826-11 CERAMIC CHIP 0.1UF  C3609 1-107-826-11 CERAMIC CHIP 0.1UF  C3610 1-126-947-11 ELECT 47UF  C3610 1-	20.00% 50 20.00% 35 10.00% 16 10.00% 16 10.00% 16 10.00% 16 10.00% 16
C2660 1-126-947-11 ELECT 47UF C3608 1-107-826-11 CERAMIC CHIP 0.1UF C3609 1-107-826-11 CERAMIC CHIP 0.1UF C3610 1-126-947-11 ELECT 47UF C3610 1-126-947-11 ELECT 47UF C3610 1-126-947-11 CERAMIC CHIP 0.1UF C3610 1-126-947-11 ELECT 47UF C3616 1-164-156-11 CERAMIC CHIP 0.1UF C3616 1-164-156-11 CERAMIC CHIP 0.1UF C3617 1-107-826-11 CERAMIC CHIP 0.1UF C3618 1-107-826-11 CERAMIC CHIP 0.1UF C3619 1-107-826-11 CERAMIC CHIP 0.1UF C3620 1-107-826-11 CERAMIC CHIP 0.1UF C3620 1-107-826-11 CERAMIC CHIP 0.1UF C3621 1-164-156-11 CERAMIC CHIP 0.1UF C3622 1-164-156-11 CERAMIC CHIP 0.1UF C3623 1-107-826-11 CERAMIC CHIP 0.1UF C3624 1-164-156-11 CERAMIC CHIP 0.1UF C3625 1-107-826-11 CERAMIC CHIP 0.1UF C3625 1-107-826-11 CERAMIC CHIP 0.1UF C36261 1-164-156-11 CERAMIC CHIP 0.1UF C3627 1-164-156-11 CERAMIC CHIP 0.1UF C3628 1-107-826-11 CERAMIC CHIP 0.1UF C3629 1-107-826-11 CERAMIC CHIP 0.1UF C3620 1-107-826-11 CERAMIC CHIP 0.1UF C3620 1-107-826-11 CERAMIC CHIP 0.1UF C3621 1-164-156-11 CERAMIC CHIP 0.1UF	20.00% 35 10.00% 16 10.00% 16 20.00% 35 25 10.00% 16 10.00% 16 10.00% 16
C2660	10.00% 16 10.00% 16 20.00% 35 25 10.00% 16 10.00% 16 10.00% 16
C3608	10.00% 16 10.00% 16 20.00% 35 25 10.00% 16 10.00% 16 10.00% 16
C3609 1-107-826-11 CERAMIC CHIP 0.1UF  C3610 1-126-947-11 ELECT 47UF  C3616 1-164-156-11 CERAMIC CHIP 0.1UF  C3610 1-126-947-11 ELECT 47UF  C3616 1-164-156-11 CERAMIC CHIP 0.1UF  C3610 1-107-826-11 CERAMIC CHIP 0.1UF  C3610 1-164-156-11 CERAMIC CHIP 0.1UF  C3610 1-107-826-11 CERAMIC CHIP 0.1UF	10.00% 16 20.00% 35 25 10.00% 16 10.00% 16 10.00% 16
< RESISTOR >       C3610       1-126-947-11       ELECT       47UF         C3616       1-164-156-11       CERAMIC CHIP 0.1UF         C3610       1-247-807-31       CARBON       100 5% 1/4W         C3610       1-107-826-11       CERAMIC CHIP 0.1UF         C3617       1-107-826-11       CERAMIC CHIP 0.1UF         C3618       1-107-826-11       CERAMIC CHIP 0.1UF         C3619       1-107-826-11       CERAMIC CHIP 0.1UF         C3620       1-107-826-11       CERAMIC CHIP 0.1UF         C3621       1-164-156-11       CERAMIC CHIP 0.1UF         C3622       1-164-156-11       CERAMIC CHIP 0.1UF         C3623       1-107-826-11       CERAMIC CHIP 0.1UF         C3624       1-164-156-11       CERAMIC CHIP 0.1UF         C3625       1-107-826-11       CERAMIC CHIP 0.1UF	20.00% 35 25 10.00% 16 10.00% 16 10.00% 16
C3616 1-164-156-11 CERAMIC CHIP 0.1UF  C3617 1-107-826-11 CERAMIC CHIP 0.1UF  C3618 1-107-826-11 CERAMIC CHIP 0.1UF  C3618 1-107-826-11 CERAMIC CHIP 0.1UF  C3619 1-107-826-11 CERAMIC CHIP 0.1UF  C3620 1-107-826-11 CERAMIC CHIP 0.1UF  C3620 1-107-826-11 CERAMIC CHIP 0.1UF  C3621 1-164-156-11 CERAMIC CHIP 0.1UF  C3622 1-164-156-11 CERAMIC CHIP 0.1UF  C3623 1-107-826-11 CERAMIC CHIP 0.1UF  C3624 1-164-156-11 CERAMIC CHIP 0.1UF  C3625 1-107-826-11 CERAMIC CHIP 0.1UF  C36262 1-107-826-11 CERAMIC CHIP 0.1UF  C3627 1-107-826-11 CERAMIC CHIP 0.1UF  C3628 1-107-826-11 CERAMIC CHIP 0.1UF  C3629 1-107-826-11 CERAMIC CHIP 0.1UF  C3620 1-107-826-11 CERAMIC CHIP 0.1UF  C3620 1-107-826-11 CERAMIC CHIP 0.1UF  C3621 1-107-826-11 CERAMIC CHIP 0.1UF	10.00% 16 10.00% 16 10.00% 16 10.00% 16
10982 1-247-807-31 CARBON 100 5% 1/4W 6400 △ 1-202-719-00 SOLID 1M 10% 1/2W C3617 1-107-826-11 CERAMIC CHIP 0.1UF C3618 1-107-826-11 CERAMIC CHIP 0.1UF C3619 1-107-826-11 CERAMIC CHIP 0.1UF C3620 1-107-826-11 CERAMIC CHIP 0.1UF C3620 1-107-826-11 CERAMIC CHIP 0.1UF C3621 1-164-156-11 CERAMIC CHIP 0.1UF  C3622 1-164-156-11 CERAMIC CHIP 0.1UF C3623 1-107-826-11 CERAMIC CHIP 0.1UF C3624 1-164-156-11 CERAMIC CHIP 0.1UF C3625 1-107-826-11 CERAMIC CHIP 0.1UF C3625 1-107-826-11 CERAMIC CHIP 0.1UF	10.00% 16 10.00% 16 10.00% 16 10.00% 16
C3617 1-107-826-11 CERAMIC CHIP 0.1UF  C3618 1-107-826-11 CERAMIC CHIP 0.1UF  C3619 1-107-826-11 CERAMIC CHIP 0.1UF  C3620 1-107-826-11 CERAMIC CHIP 0.1UF  C3620 1-107-826-11 CERAMIC CHIP 0.1UF  C3620 1-107-826-11 CERAMIC CHIP 0.1UF  C3621 1-164-156-11 CERAMIC CHIP 0.1UF  C3622 1-164-156-11 CERAMIC CHIP 0.1UF  C3623 1-107-826-11 CERAMIC CHIP 0.1UF  C3624 1-164-156-11 CERAMIC CHIP 0.1UF  C3625 1-107-826-11 CERAMIC CHIP 0.1UF  C3625 1-107-826-11 CERAMIC CHIP 0.1UF	10.00% 16 10.00% 16 10.00% 16
C3618 1-107-826-11 CERAMIC CHIP 0.1UF  C3619 1-107-826-11 CERAMIC CHIP 0.1UF  C3620 1-107-826-11 CERAMIC CHIP 0.1UF  C3620 1-107-826-11 CERAMIC CHIP 0.1UF  C3621 1-164-156-11 CERAMIC CHIP 0.1UF  C3622 1-164-156-11 CERAMIC CHIP 0.1UF  C3623 1-107-826-11 CERAMIC CHIP 0.1UF  C3624 1-164-156-11 CERAMIC CHIP 0.1UF  C3625 1-107-826-11 CERAMIC CHIP 0.1UF  C3625 1-107-826-11 CERAMIC CHIP 0.1UF	10.00% 16 10.00% 16
< SWITCH >       C3619       1-107-826-11       CERAMIC CHIP 0.1UF         C3620       1-107-826-11       CERAMIC CHIP 0.1UF         C3621       1-164-156-11       CERAMIC CHIP 0.1UF         C3622       1-164-156-11       CERAMIC CHIP 0.1UF         C3623       1-107-826-11       CERAMIC CHIP 0.1UF         C3624       1-164-156-11       CERAMIC CHIP 0.1UF         C3625       1-107-826-11       CERAMIC CHIP 0.1UF         C3625       1-107-826-11       CERAMIC CHIP 0.1UF	10.00% 16 10.00% 16
C3620 1-107-826-11 CERAMIC CHIP 0.1UF C3621 1-164-156-11 CERAMIC CHIP 0.1UF  C3622 1-164-156-11 CERAMIC CHIP 0.1UF  C3623 1-107-826-11 CERAMIC CHIP 0.1UF  C3624 1-164-156-11 CERAMIC CHIP 0.1UF  C3625 1-107-826-11 CERAMIC CHIP 0.1UF  C3626 1-107-826-11 CERAMIC CHIP 0.1UF  C3627 1-107-826-11 CERAMIC CHIP 0.1UF  C3628 1-107-826-11 CERAMIC CHIP 0.1UF	10.00% 16
C3621 1-164-156-11 CERAMIC CHIP 0.1UF  C3622 1-164-156-11 CERAMIC CHIP 0.1UF  C3623 1-107-826-11 CERAMIC CHIP 0.1UF  C3624 1-164-156-11 CERAMIC CHIP 0.1UF  C3625 1-107-826-11 CERAMIC CHIP 0.1UF  C3625 1-107-826-11 CERAMIC CHIP 0.1UF	
< VARISTOR >       C3622       1-164-156-11       CERAMIC CHIP 0.1UF         C3623       1-107-826-11       CERAMIC CHIP 0.1UF         C3624       1-164-156-11       CERAMIC CHIP 0.1UF         C3625       1-107-826-11       CERAMIC CHIP 0.1UF         C3625       1-107-826-11       CERAMIC CHIP 0.1UF	
C3623 1-107-826-11 CERAMIC CHIP 0.1UF C3624 1-164-156-11 CERAMIC CHIP 0.1UF C3625 1-107-826-11 CERAMIC CHIP 0.1UF	
06400 \( \triangle 1-804-995-11 \) VARISTOR C3624 1-164-156-11 CERAMIC CHIP 0.1UF C3625 1-107-826-11 CERAMIC CHIP 0.1UF	25
C3625 1-107-826-11 CERAMIC CHIP 0.1UF	10.00% 16
	25
A-1405-623-A J Board Complete C3626 1-164-156-11 CERAMIC CHIP 0.1UF	10.00% 16
	25
< CAPACITOR > C3627 1-126-964-11 ELECT 10UF	20.00% 50
C3631 1-107-826-11 CERAMIC CHIP 0.1UF	10.00% 16
1604 1-164-227-11 CERAMIC CHIP 0.022UF 10.00% 25V C3632 1-164-156-11 CERAMIC CHIP 0.1UF	25
1-162-964-11 CERAMIC CHIP 0.001UF 10.00% 50V C3634 1-164-156-11 CERAMIC CHIP 0.1UF	25
2606 1-164-227-11 CERAMIC CHIP 0.022UF 10.00% 25V C3636 1-126-947-11 ELECT 47UF	20.00% 35
2607 1-162-964-11 CERAMIC CHIP 0.001UF 10.00% 50V	
2608 1-165-908-11 CERAMIC CHIP 1UF 10% 10V C3641 1-164-156-11 CERAMIC CHIP 0.1UF	25
C3642 1-164-156-11 CERAMIC CHIP 0.1UF	25
2609 1-165-908-11 CERAMIC CHIP 1UF 10% 10V C3643 1-164-156-11 CERAMIC CHIP 0.1UF	25
2610 1-126-947-11 ELECT 47UF 20.00% 35V C3644 1-164-156-11 CERAMIC CHIP 0.1UF	25
2611 1-126-947-11 ELECT 47UF 20.00% 35V C3645 1-126-947-11 ELECT 47UF	20.00% 35
2612 1-125-837-91 CERAMIC CHIP 1UF 10% 6.3V	
2613 1-125-837-91 CERAMIC CHIP 1UF 10% 6.3V C3646 1-126-947-11 ELECT 47UF	20.00% 35
C3647 1-126-947-11 ELECT 47UF	20.00% 35
2614 1-164-156-11 CERAMIC CHIP 0.1UF 25V C3648 1-126-947-11 ELECT 47UF	20.00% 35
2615 1-164-156-11 CERAMIC CHIP 0.1UF 25V C3649 1-162-915-11 CERAMIC CHIP 10PF	0.50PF 50
2620 1-164-227-11 CERAMIC CHIP 0.022UF 10.00% 25V	0,50EE 30
2621 1-162-964-11 CERAMIC CHIP 0.001UF 10.00% 50V < CONNECTOR >	
2622 1-164-227-11 CERAMIC CHIP 0.022UF 10.00% 25V	
CN3600 * 1-564-523-11 PLUG, CONNECTOR 8P	
2623 1-162-964-11 CERAMIC CHIP 0.001UF 10.00% 50V CN3601 1-695-549-11 SOCKET, PIN 21P	
2624 1-165-908-11 CERAMIC CHIP 1UF 10% 10V CN3602 1-695-549-11 SOCKET, PIN 21P	
2625 1-165-908-11 CERAMIC CHIP 1UF 10% 10V CN3603 1-695-549-11 SOCKET, PIN 21P	
2626 1-126-947-11 ELECT 47UF 20.00% 35V CN3604 1-817-114-11 CONNECTOR, BOARD TO BOAR	ARD 35P
2627 1-126-947-11 ELECT 47UF 20.00% 35V	
< DIODE >	
1632 1-164-227-11 CERAMIC CHIP 0.022UF 10.00% 25V	
2633 1-162-964-11 CERAMIC CHIP 0.001UF 10.00% 50V D0600 8-719-069-55 DIODE UDZSTE-175.6B	
2634 1-164-227-11 CERAMIC CHIP 0.022UF 10.00% 25V D2600 8-719-069-60 DIODE UDZSTE-179.1B	
2635 1-162-964-11 CERAMIC CHIP 0.001UF 10.00% 50V D2601 8-719-069-60 DIODE UDZSTE-179.1B	
2636 1-165-908-11 CERAMIC CHIP 1UF 10% 10V D2602 8-719-069-60 DIODE UDZSTE-179.1B	
D2603 8-719-069-60 DIODE UDZSTE-179.1B	
2638 1-126-947-11 ELECT 47UF 20.00% 35V D2604 8-719-069-60 DIODE UDZSTE-179.1B	
2639 1-126-947-11 ELECT 47UF 20.00% 35V D2605 8-719-069-60 DIODE UDZSTE-179.1B	

F.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION			REMARK
2606	8-719-069-60	DIODE UDZSTE-179.1B			< RES	ISTOR >			
607	8-719-069-60	DIODE UDZSTE-179.1B							
2608	8-719-069-60	DIODE UDZSTE-179.1B		JR2616	1-216-864-11	SHORT CHIP	0		
2609	8-719-069-60	DIODE UDZSTE-179.1B		JR2617	1-216-864-11	SHORT CHIP	0		
2610	8-719-069-60	DIODE UDZSTE-179.1B		JR2618	1-216-864-11	SHORT CHIP	0		
				JR2628	1-216-864-11	SHORT CHIP	0		
611	8-719-069-60	DIODE UDZSTE-179.1B		JR3611	1-216-864-11	SHORT CHIP	0		
3602	8-719-069-60	DIODE UDZSTE-179.1B		01.000			•		
3606	8-719-069-60	DIODE UDZSTE-179.1B		R0800	1-216-809-11	METAL CHIP	100	5%	1/10W
614	8-719-083-63	DIODE UDZSTE-1713B		R0801	1-216-809-11	METAL CHIP	100	5%	1/10W
615	8-719-069-60	DIODE UDZSTE-179.1B		R0802	1-216-025-11	RES-CHIP	100	5%	1/10W
013	8-713-003-00	DIODE ODESIE 179.15		R2600	1-216-815-11	METAL CHIP	330	5%	1/10W
616	8-719-069-60	DIODE UDZSTE-179.1B		R2601	1-216-015-11	RES-CHIP	330	5%	1/10W
		DIODE UDZSTE-179.1B		KZUUI	1-210-049-11	NES-CHIP	TI	70	1/10#
617	8-719-069-60			D0.600	1 016 015 11	WEERST CHITD	220	E o.	1 /1 014
621	8-719-083-63	DIODE UDZSTE-1713B		R2602	1-216-815-11	METAL CHIP	330	5%	1/10W
622	8-719-069-55	DIODE UDZSTE-175.6B		R2603	1-216-049-11	RES-CHIP	1K	5%	1/10W
623	8-719-069-60	DIODE UDZSTE-179.1B		R2604	1-216-813-11	METAL CHIP	220	5%	1/10W
	A 1944 A 444 44	BRADE HARAN 484 4-		R2605	1-216-864-11	SHORT CHIP	0	E0	1 /4 000
624	8-719-069-60	DIODE UDZSTE-179.1B		R2606	1-216-813-11	METAL CHIP	220	5%	1/10W
626	8-719-069-60	DIODE UDZSTE-179.1B							
627	8-719-083-63	DIODE UDZSTE-1713B		R2607	1-216-864-11	SHORT CHIP	0	PA	4 14 0
628	8-719-083-63	DIODE UDZSTE-1713B		R2608	1-216-853-11	METAL CHIP	470K		1/10W
629	8-719-069-60	DIODE UDZSTE-179.1B		R2609	1-216-853-11	METAL CHIP	470K		1/10W
				R2610	1-216-853-11	METAL CHIP	470K		1/10W
630	8-719-069-60	DIODE UDZSTE-179.1B		R2611	1-216-853-11	METAL CHIP	470K	5%	1/10W
631	8-719-069-55	DIODE UDZSTE-175.6B							
632	8-719-069-60	DIODE UDZSTE-179.1B		R2612	1-216-813-11	METAL CHIP	220	5%	1/10W
633	8-719-069-60	DIODE UDZSTE-179.1B		R2613	1-216-813-11	METAL CHIP	220	5%	1/10W
634	8-719-069-60	DIODE UDZSTE-179.1B		R2614	1-216-864-11	SHORT CHIP	0		
				R2615	1-216-864-11	SHORT CHIP	0		
635	8-719-069-60	DIODE UDZSTE-179.1B		R2616	1-216-864-11	SHORT CHIP	0		
	< FERI	RITE BEAD >		R2617	1-216-821-11	METAL CHIP	1K	5%	1/10W
				R2618	1-216-864-11	SHORT CHIP	0		
3611	1-414-760-21	FERRITE OUH		R2619	1-216-821-11	METAL CHIP	1K	5%	1/10W
				R2620	1-216-837-11	METAL CHIP	22K	5%	1/10W
	< IC :	>		R2621	1-216-837-11	METAL CHIP	22K	5%	1/10W
3600	8-752-096-83	IC CXA2149AQ-TL		R2622	1-216-837-11	METAL CHIP	22K	5%	1/10W
	J .JE VJV VJ	an managering and		R2623	1-216-837-11	METAL CHIP	22K	5%	1/10W
	< COI	t. S		R2624	1-216-815-11	METAL CHIP	330	5%	1/10₩
	< WI			R2625	1-216-615-11	RES-CHIP	1K	5%	1/10W
602	1-414-928-21	INDUCTOR 1UH		R2626	1-216-815-11	METAL CHIP	330	ეგ 5%	1/10W
				1/2020	1-510-013-11	MEIND CHIP	330	20	TITOM
611	1-414-928-21			2007	1_016_040_11	מדות_חודה	15	5%	1 /1 014
612	1-414-928-21	INDUCTOR 1UH		R2627	1-216-049-11	RES-CHIP	1K	Jō	1/10W
614	1-414-928-21	INDUCTOR 1UH		R2628	1-216-864-11	SHORT CHIP	0		
				R2630	1-216-864-11	SHORT CHIP	0	F0 .	4 /4 0
	< TRAI	NSISTOR >		R2632	1-216-853-11	METAL CHIP	470K		1/10W
				R2633	1-216-853-11	METAL CHIP	470K	58	1/10W
602	8-729-010-29	TRANSISTOR MSD601-RST							4 1- 4
603	8-729-010-29	TRANSISTOR MSD601-RST		R2634	1-216-853-11	METAL CHIP	470K		1/10W
604	8-729-010-29	TRANSISTOR MSD601-RST		R2635	1-216-853-11	METAL CHIP	470K		1/10W
656	8-729-010-29	TRANSISTOR MSD601-RST	?1	R2636	1-216-815-11	METAL CHIP	330	5%	1/10W
657	8-729-010-29	TRANSISTOR MSD601-RST	21	R2637	1-216-049-11	RES-CHIP	1K	5%	1/10W
crc	0 700 010 01	mpanaman 1102 224	11	R2638	1-216-815-11	METAL CHIP	330	5%	1/10W
658	8-729-010-29	TRANSISTOR MSD601-RST	.1	R2639	1-216-049-11	RES-CHIP	1K	5%	1/10W
				R2640	1-216-813-11	METAL CHIP	220	5%	1/10W
* *				R2642	1-216-813-11	METAL CHIP	220	5%	1/10W

REF.NO.	PART.NO	DESCRIPTION		F	EMARK	REF.NO.	PART.NO	DESCRIPTION		RI	EMARK	
R2644	1-216-853-11	METAL CHIP	470K	5%	1/10W	R3655	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R2645	1-216-853-11	METAL CHIP	470K	5%	1/10W	R3656	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R2646	1-216-853-11	METAL CHIP	470K	5%	1/10W	R3657	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R2647	1-216-853-11	METAL CHIP	470K	5%	1/10W	R3658	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R2648	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3659	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R2649	1-216-837-11	METAL CHIP	22K	5%	1/10W	R3660	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R2650	1-216-837-11	METAL CHIP	22K	5%	1/10W	R3661	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	
R3600	1-216-022-00	RES-CHIP	75	5%	1/10W	R3662	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	
R3601	1-216-022-00	RES-CHIP	75	5%	1/10W	R3663	1-216-805-11	METAL CHIP	47	5%	1/10W	
R3602	1-216-022-00	RES-CHIP	75	5%	1/10W	1.5005	1 210 000 11	min ont	• (	0.0	-/	
		and only			2/ 1011	* A-14	05-620-A VM E	Board Complet	te			
R3603	1-216-022-00	RES-CHIP	75	5%	1/10W							
R3604	1-216-022-00	RES-CHIP	75	5%	1/10W		4-382-854-01	SCREW (M3X8)	, P, SW	(+)		
R3605	1-216-025-11	RES-CHIP	100	5%	1/10W							
R3607	1-216-025-11	RES-CHIP	100	5%	1/10W		< CAP	ACITOR >				
R3608	1-216-025-11	RES-CHIP	100	5%	1/10W							
						C9401	1-126-947-11	ELECT	47UF	,	20.00%	35V
R3609	1-216-025-11	RES-CHIP	100	5%	1/10W	C9402	1-164-156-11	CERAMIC CHIP	0.1UF			25V
R3610	1-216-025-11	RES-CHIP	100	5%	1/10W	C9403	1-107-826-11	CERAMIC CHIP	0.1UF		10.00%	16V
R3611	1-216-022-00	RES-CHIP	75	5%	1/10W	C9404	1-107-636-11	ELECT	10UF		20.00%	160V
R3612	1-216-025-11	RES-CHIP	100	5%	1/10W	C9406	1-161-830-00	CERAMIC	0.00470	UF		500V
R3613	1-216-022-00	RES-CHIP	75	5%	1/10W							
						C9407	1-164-156-11	CERAMIC CHIP	0.1UF			25V
R3614	1-216-025-11	RES-CHIP	100	5%	1/10W	C9408	1-126-964-11	ELECT	10UF		20.00%	50V
R3615	1-216-022-00	RES-CHIP	75	5%	1/10W	C9409	1-107-636-11	ELECT	10UF	1	20.00%	160V
R3616	1-216-022-00	RES-CHIP	75	5%	1/10W	C9410	1-137-528-11	MYLAR	0.1UF	:	10.00%	250V
R3617	1-216-022-00	RES-CHIP	75	5%	1/10W	C9411	1-107-826-11	CERAMIC CHIP	0.1UF		10.00%	16V
R3618	1-216-022-00	RES-CHIP	75	5%	1/10W							
						C9412	1-137-528-11	MYLAR	0.1UF	;	10.00%	250V
R3619	1-216-025-11	RES-CHIP	100	5%	1/10W	C9413	1-107-826-11	CERAMIC CHIP	0.1UF	;	10.00%	16V
R3621	1-216-025-11	RES-CHIP	100	5%	1/10W	C9414	1-117-450-11	MYLAR	0.47UF	:	10.00%	250V
R3622	1-216-025-11	RES-CHIP	100	5%	1/10W							
R3623	1-216-025-11	RES-CHIP	100	5%	1/10W		< CON	VECTOR >				
R3624	1-216-022-00	RES-CHIP	75	5%	1/10W							
						CN9401	* 1-564-510-11	PLUG, CONNEC	TOR 7P			
R3625	1-216-025-11	RES-CHIP	100	5%	1/10W	CN9402	* 1-564-506-11	PLUG, CONNECT	TOR 3P			
R3626	1-216-022-00	RES-CHIP	75	5%	1/10W	CN9403	* 1-770-723-11	CONNECTOR, BO	OARD TO	BOARD	8P	
R3627	1-216-022-00	RES-CHIP	75	5%	1/10W							
R3628	1-216-022-00	RES-CHIP	75	5%	1/10W		< COII	· >				
R3629	1-216-022-00	RES-CHIP	75	5%	1/10W							
						L9401	1-414-928-21	INDUCTOR	1UH			
R3630	1-216-025-11	RES-CHIP	100	5%	1/10W	L9402	1-414-928-21	INDUCTOR	1UH			
R3631	1-216-809-11	METAL CHIP	100	5%	1/10W							
R3632	1-216-809-11	METAL CHIP	100	5%	1/10W		< TRAN	ISISTOR >				
R3634	1-216-022-00	RES-CHIP	75	5%	1/10W							
R3635	1-216-025-11	RES-CHIP	100	5%	1/10W	Q9401	8-729-010-29	TRANSISTOR MS	SD601-RS	ST1		
		1110 01111		••	-, - • • •	Q9402	8-729-010-29	TRANSISTOR MS				
R3636	1-216-025-11	RES-CHIP	100	5%	1/10W	Q9403	8-729-010-29	TRANSISTOR MS				
R3637	1-216-022-00	RES-CHIP	75	5%	1/10W	Q9404	8-729-010-05	TRANSISTOR MS				
R3638	1-216-025-11	RES-CHIP	100	5%	1/10W	29405	8-729-010-29	TRANSISTOR MS				
R3639	1-216-843-11	METAL CHIP	68K	5%	1/10W	2						
R3641	1-216-843-11	METAL CHIP	68K	5%	1/10W	Q9406	8-729-010-05	TRANSISTOR MS	3R709-PT	1		
T\$057	1-210-043-11	MPINE CHIL	MOO	Jō	T/ TOM	Q9407	8-729-010-03	TRANSISTOR MS				
D2642	1_010_005_11	MUMBE COTT	202	N F0	1/100	Q9408	8-729-010-05	TRANSISTOR MS				
R3643	1-218-885-11	METAL CHIP	39K	บ.วิชั	1/10W	Q9409	8-729-010-03	TRANSISTOR MS				
R3647	1-216-864-11	SHORT CHIP	0	F0	1/100	-						
R3652	1-216-821-11	METAL CHIP	1K	5% Fo	1/10W	Q9410	8-729-010-05	TRANSISTOR MS	וא-גחים ב	.1		
R3653 R3654	1-216-841-11	METAL CHIP	47K		1/10W 1/10W	Q9411	8-729-045-05	TRANSISTOR 2S	23.2005			
w enhal	1-216-837-11	METAL CHIP	22K	38	1710W	1 (794)]	0-143-043-03	TRANSTSTUK ZS	747 UU3			



REF.NO.	PART.NO	DESCRIPTION		RE	MARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
Q9412	8-729-045-04	TRANSISTOR 2	SC5511			MISCE	LLANEOUS		
Q9413	8-729-010-29	TRANSISTOR M	SD601-1	RST1					
Q9414	8-729-010-05	TRANSISTOR M	SB709-1	RT1		A	1-571-433-21	SWITCH, PUSH (AC PO	(RR)
							1-456-510-11	Translation to the contract of	<del></del>
	< RES	ISTOR >						CORD, POWER (WITH F	(T.PER)
						-	4 a 90 m of the factor and the facto	FRONTEND BTF-EU611	ANGERALE MERCHANISM CONTRACTOR CO
R9401	1-249-381-11	CARBON	1	5%	1/4W				(KV-28FQ86E, KV-32FQ86E/K)
R9402	1-216-820-11	METAL CHIP	820	5%	1/10W		0 050 000 10	INOMIDAD DIL DOTLI	(W. FOLKOON) W. SELKOON!W
R9403	1-216-819-11	METAL CHIP	680	5%	1/10W		8-598-535-20	FRONTEND RTF-FF411	(KV-28FQ86B, KV-32FQ86B)
R9404	1-216-834-11	METAL CHIP	12K	5%	1/10W	A			LYBACK (NX-6020//Z214)
R9405	1-216-839-11	METAL CHIP	33K	5%	1/10W	<u></u>	1 400 010 21	(KV-28FQ86)	arthon (an core), array
						Δ	1_453_444_21		LYBACK (NX-6020//Z2B4)
R9406	1-216-805-11	METAL CHIP	47	5%	1/10W	<u> </u>	1 455 444 21	(KV-32FQ86)	TIDACK (MA COZVII BEDA)
R9408	1-216-815-11	METAL CHIP	330	5%	1/10W	and Ampline, con-		144 255.000)	
R9409	1-216-805-11	METAL CHIP	47	5%	1/10W		1_520_409_11	SPEAKER (4.2X24CM)	
R9410	1-216-805-11	METAL CHIP	47	5%	1/10W			SPEAKER (8CM)	
R9411	1-249-393-11	CARBON	10	5%	1/4W	Δ		DEFLECTION YOKE (Y2)	DDITA2_T 21 (PHT_20EA06)
					_,		Section and an appropriate the section of the secti	DEFLECTION YORE (Y3)	
R9412	1-249-393-11	CARBON	10	5%	1/4W	Δ Δ		NECK ASSY, (NA299-M	
R9413	1-249-393-11	CARBON	10	5%	1/4W	<u> </u>	0-433-011-11	NECK ADDI, (NAZDI-M	
R9414	1-249-393-11	CARBON	10	5%	1/4W		1 410 262 11	COTT NA DOMANTON	
R9415	1-249-393-11	CARBON	10	5%	1/4W	Δ		COIL, NA ROTATION COIL, DEGAUSSING (K	2 9000063
R9416	1-249-393-11	CARBON	10	5%	1/4W			COIL, DEGAUSSING (K	The state of the s
119 12 4		Q12120 V11		••	-/	A	The the state of t	Chile Control of the	19 13 X 13 X 13 X 15 X 17
R9417	1-249-393-11	CARBON	10	5%	1/4W	Δ.	Section 1 Provide the Control of the	CAP ASSY, HIGH-VOLT	
R9418	1-249-393-11	CARBON	10	5%	1/4W	Δ	1-201-940-21	CAP ASSY, HIGH-VOLT	POP (VA-SOLÃDO)
R9419	1-216-839-11	METAL CHIP	33K	5%	1/10W		0 735 070 05	PROBLEM MEIDE (MOCTAL)	10C0V) (Mt. 30B00C)
R9420	1-216-821-11	METAL CHIP	1K	5%	1/10W	Δ.		PICTURE TUBE (W76LL)	
R9421	1-216-801-11	METAL CHIP	22	5%	1/10W	Δ		2000 - 100 -	ACCURATION AND ACCURA
					2, 20			MAGNET, ROTATABLE D: MAGNET, DISK; 10MM (	
R9422	1-216-801-11	METAL CHIP	22	5%	1/10W		1-425-052-00	MAGNET, DISK; TOMM	
R9423	1-216-821-11	METAL CHIP	1K	5%	1/10W	ACCES	SORIES ANI	D PACKAGING MA	TEDIALS
R9424	1-216-839-11	METAL CHIP	33K	5%	1/10W	ACCES	SONILS AN	D FACKAGING WA	TENIALS
R9425	1-243-572-21	METAL OXIDE	470	5%	2W		+4-004-270-02	CUSHION UPPER KV-32	מושל של של מוש מושל של הו
R9426	1-216-839-11	METAL CHIP	33K	5%	1/10W			CUSHION LOWER KV-321	
117120	1 210 005 11	mini viii	JJ11	•	2/ 2011			INDIVIDUAL CARTON K	
R9427	1-216-839-11	METAL CHIP	33K	5%	1/10W			INDIVIDUAL CARTON K	
R9429	1-216-821-11	METAL CHIP	1K	5%	1/10W			BAG PROTECTION KV-3	. ~
R9430	1-216-809-11	METAL CHIP	100	5%	1/10W		4-040-772-01	DAG PROTECTION RV-3	75 70 00 7 E/ N/ U
R9431	1-216-809-11	METAL CHIP	100	5%	1/10W		4_020_160_01	BAG PROTECTION KV-2	DEVOCD /E
R9432	1-216-817-11	METAL CHIP	470	5%	1/10W				-
N3434	1-210-011-11	PRIAL CHIP	410	20	1/ 1/H		4-103-124-11	INSTRUCTION MANUAL (	PERMAN / TURKISH / GREEK )
R9433	1-216-817-11	METAL CHIP	470	5%	1/10W		4 102 104 04	KV-28/32FQ86E	PRAT TANTA 1911 00 /00 PAG CE
ひまもつう	T-570-011-TI	METAL CUIP	3/0	20	1/104		4-105-124-21	INSTRUCTION MANUAL(	ITALIAN) KV-28/32FQ86E
							A 100 104 01	THOMBHOMTON MANUS * /	IODERCTAN / DODRESCHOOL /
					26.3		4-103-124-31	INSTRUCTION MANUAL (	OKWEGIAN/PORTUGUESE/

# TRACE

A new TV Repair Assistance Tool that combines ease of use and powerful PC software tools to allow you to save valuable time during many TV repairs.



The TRACE interface connects to the PC's serial port. It provides connection to the TV's I2C bus and can be provided with an InfraRed transmitter (optional).

The interface is powered by a standard 9 V PP3 battery for portable use, and can also be powered by an external 9V/25mA DC power

The TRACE software that is supplied with the interface allows you to:

- Read, restore and compare NVM contents via the I2C bus
- Acknowledge check of all I<sup>2</sup>C devices in the TV set
- Read Error Codes (emulation of the Error Reader tool)

With the optional IR Add-on kit, the following features can be added:

- Remote Commander emulation
- User programmable Functional Check through Infrared
- Fast and documented Test Mode setting of all Sony TV chassis

Additional features such as Adjustments and Troubleshooting are available in chassis-dependent software modules. Please contact your local Sony Service organisation for the latest information.



Note: For workshops already using the existing 12C Link parallel port interface (9-948-320-30), this software can be used as well, replacing the TV Data Handling software (9-948-340-50), but Error Reader and IR functions can only be accessed with the TRACE interface.

Partnumbers: TRACE Starter Kit (TRACE interface + software): 9-948-320-70 TRACE Software (for users of the I<sup>2</sup>C Link interface): 9-948-340-80 TRACE IR Add-on (IR interface + Remote Commander software): 9-948-320-80

PC requirements: IBM-compatible PC with operating system Windows95, Windows98, or WindowsNT\*.

\* WindowsNT only supported with TRACE interface

9-927-478-01

**Sony Corporation** Sony UK Service Promotions Dept.

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1-478-639-11 REMOTE COMMANDER (RM-945)

KV-28/32FQ86E

SWEDISH/FINNISH/DANISH/SPANISH)

4-103-124-41 INSTRUCTION MANUAL (GERMAN/ITALIAN/FRENCH/ DUTCH) KV-28/32FQ86B

4-103-124-51 INSTRUCTION MANUAL (ENGLISH) KV-32FQ86B 4-103-124-61 INSTRUCTION MANUAL (BULGARIAN/CZECH/ENGLISH/ HUNGARIAN/RUSSIAN/POLISH) KV-32FQ86K

4-103-124-71 INSTRUCTION MANUAL (ENGLISH) KV-32FQ86U